

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>O-BEE KRUSADER-ET</b> | <b>US000139986224</b> | <b>10.04.2009</b> | <b>BS-053</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 24.03.2010 |
|                   |                | CA           | DC252948   |

### Pedigree

|                          |            |                             |         |
|--------------------------|------------|-----------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET          |         |
| ENSENADA TABOO PLANET-ET |            | US000017121203              |         |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET    |         |
| BS-050                   |            | US000130161039              |         |
| <b>Dam</b>               | <b>MGS</b> | PICSTON SHOTTLE-ET          |         |
| O-BEE SHOTTLE KOLLEEN-ET |            | GB000000598172              | PEL-033 |
| US000138352370           | <b>MGD</b> | O-BEE BW MARSHALL KELSIE-ET |         |
|                          |            | US000131724282              |         |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>23</b> | Daug.       | <b>349</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>4090</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | rank       | 15.         |
| <b>6845</b>                 |            |           |           | <b>1040</b> |            | <b>20</b> | <b>-0,33</b> | <b>SCS</b> | <b>2,69</b> |
|                             |            |           |           |             |            | <b>33</b> | <b>0,01</b>  | rank       | 177.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 6</b> | Daug. | <b>46</b> | 81,0 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>2,48</b> |
|                  |             |       |               |       |           |      |      | rank        | 1.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,78  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | 0,27  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | -0,78 |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | 1,69  |    |    |   |    |    |
| Front Teat Placement  | 1,34  |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | 0,75  |    |    |   |    |    |
| Rear Udder Width      | 0,57  |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | 2,10  |    |    |   |    |    |
| Rump Width            | 0,60  |    |    |   |    |    |
| Rear Legs Rear View   | 0,81  |    |    |   |    |    |
| Rear Teat Placement   | 0,81  |    |    |   |    |    |
| Locomotion            | 0,46  |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 86,3 | <b>Frame</b>           | <b>1,53</b>  |
|                 | 81,8 | <b>Dairy Strength</b>  | <b>1,24</b>  |
|                 | 82,0 | <b>Feet &amp; Legs</b> | <b>1,56</b>  |
|                 | 77,3 | <b>Udder</b>           | <b>2,05</b>  |
|                 |      | <b>SHI</b>             | <b>222,7</b> |
|                 |      | rank                   | 2.           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MEL-CREST ALTARAZOR</b> | <b>US000138929709</b>      | <b>09.01.2008</b> | <b>EMY-021</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 30.10.2008 |
|                   |                | US           | MO8045256  |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER    |            | US000017013604              |
| US000132973942             | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                    |            | US000130227821              |
| <b>Dam</b>                 | <b>MGS</b> | BRAEDALE GOLDWYN-ET         |
| MEL-CREST ROSEBUD RAVEN-ET |            | CA000010705608              |
| US000137052512             | <b>MGD</b> | MEL-CREST ROYALE RAVEN-ET   |
|                            |            | US000135061914              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug. | 259 | Rel. | 95 %  | <b>SPI</b> | 3474       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 3024                        |            |           |    | 674   | 46  | 0,33 | 20    | -0,02      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 24.        |
|                             |            |           |    |       |     |      |       |            | 2,47       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 71.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 19 / 6 | Daug. | 131 | 82,6 | Rel. | 89 % | <b>TYPE</b> | 2,45 |
|                  |             |       |        |       |     |      |      |      | rank        | 2.   |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,08  |    |    |   |    |    |
| Angularity            | 0,65  |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,93  |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | -0,05 |    |    |   |    |    |
| Fore Udder Attachment | 1,19  |    |    |   |    |    |
| Front Teat Placement  | 0,04  |    |    |   |    |    |
| Teat Length           | 0,27  |    |    |   |    |    |
| Rear Udder Height     | 1,35  |    |    |   |    |    |
| Rear Udder Width      | 0,97  |    |    |   |    |    |
| Central Ligament      | 0,88  |    |    |   |    |    |
| Udder Depth           | 1,03  |    |    |   |    |    |
| Rump Width            | -0,04 |    |    |   |    |    |
| Rear Legs Rear View   | 0,19  |    |    |   |    |    |
| Rear Teat Placement   | 0,85  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 85,8 | <b>Frame</b>           | 1,34  |
| 82,7 | <b>Dairy Strength</b>  | 1,78  |
| 82,9 | <b>Feet &amp; Legs</b> | 0,93  |
| 80,8 | <b>Udder</b>           | 2,41  |
|      | <b>SHI</b>             | 202,6 |
|      | rank                   | 7.    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>KERNDT STALLION</b> | <b>US000050750432</b> | <b>15.12.2004</b> | <b>SOM-028</b> |
| Country of origin      | US                    | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.        | Herdbook          | HA             |
|                        |                       | Paternity         | 12.10.2005     |
|                        |                       | CA                | DC148441       |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | MAUGHLIN STORM-ET          |
| PURSUIT SEPTEMBER STORM-ET |            | CA000005457798             |
| CA000006820564             | <b>PGD</b> | GLEN DRUMMOND SHIMMER-ET   |
| SOM-024                    |            | CA000006185591             |
| <b>Dam</b>                 | <b>MGS</b> | CAROL PRELUDE MTOTO-ET     |
| KERNDT MATTIE GRUMPY-ET    |            | IT006001001962             |
| US000207128752             | <b>MGD</b> | KERNDT MEXIE REMARK MATTIE |
|                            |            | US000017045274             |

|                             |            |           |          |            |            |           |             |            |              |
|-----------------------------|------------|-----------|----------|------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>6</b> | Daug.      | <b>150</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1010</b>  |
| Number controls             |            | <b>BV</b> |          | Milk       |            | Fat       | %           | Prot.      | %            |
| <b>2617</b>                 |            |           |          | <b>167</b> |            | <b>24</b> | <b>0,31</b> | <b>2</b>   | <b>-0,08</b> |
|                             |            |           |          |            |            |           |             | <b>SCS</b> | <b>2,58</b>  |
|                             |            |           |          |            |            |           |             | rank       | ...          |
|                             |            |           |          |            |            |           |             | rank       | ...          |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 3</b> | Daug. | <b>60</b> | 81,3 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>2,44</b> |
|                  |             |       |              |       |           |      |      | rank        | 3.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,05  |    |    |   |    |    |
| Angularity            | 1,08  |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | 0,52  |    |    |   |    |    |
| Rump Angle            | -0,70 |    |    |   |    |    |
| Rear Legs Side View   | -0,36 |    |    |   |    |    |
| Foot Angle            | 0,39  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 0,60  |    |    |   |    |    |
| Teat Length           | 0,44  |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,92  |    |    |   |    |    |
| Central Ligament      | -0,25 |    |    |   |    |    |
| Udder Depth           | -0,49 |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,79  |    |    |   |    |    |
| Rear Teat Placement   | -0,29 |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>1,42</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 82,9 | <b>Dairy Strength</b> | <b>2,53</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,5 | <b>Feet &amp; Legs</b> | <b>1,65</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,6 | <b>Udder</b> | <b>1,57</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>128,0</b> |
|--|------------|--------------|

rank 44.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SILDAHL JETT AIR-ET</b> | <b>US000138974820</b> | <b>28.12.2007</b> | <b>EMY-020</b> |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 17.09.2008     |
|                            |                       | CA                | DC215787       |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER |            | US000017013604              |
| US000132973942          | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                 |            | US000130227821              |
| <b>Dam</b>              | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| SILDAHL AIR MARSHALL    |            | US000002290977              |
| US000135514896          | <b>MGD</b> | SILDAHL MANFRED AIR ATTACK  |
|                         |            | US000127745181              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.      | <b>230</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>1948</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 110.        |
| <b>2350</b>                 |            |           |           | <b>589</b> |            | <b>22</b> | <b>-0,03</b> | <b>SCS</b> | <b>2,45</b> |
|                             |            |           |           |            |            | <b>8</b>  | <b>-0,20</b> | rank       | 60.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 6</b> | Daug. | <b>63</b> | 82,2 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>2,38</b> |
|                  |             |       |               |       |           |      |      | rank        | 4.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | 0,39  |    |    |   |    |    |
| Chest Width           | 0,24  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,64  |    |    |   |    |    |
| Front Teat Placement  | 0,19  |    |    |   |    |    |
| Teat Length           | 1,17  |    |    |   |    |    |
| Rear Udder Height     | 0,97  |    |    |   |    |    |
| Rear Udder Width      | 0,77  |    |    |   |    |    |
| Central Ligament      | 0,62  |    |    |   |    |    |
| Udder Depth           | 0,42  |    |    |   |    |    |
| Rump Width            | 0,31  |    |    |   |    |    |
| Rear Legs Rear View   | 1,55  |    |    |   |    |    |
| Rear Teat Placement   | 1,04  |    |    |   |    |    |
| Locomotion            | 0,68  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,1 | <b>Frame</b>           | <b>0,71</b>  |
| 82,6 | <b>Dairy Strength</b>  | <b>1,41</b>  |
| 83,8 | <b>Feet &amp; Legs</b> | <b>2,53</b>  |
| 79,6 | <b>Udder</b>           | <b>1,83</b>  |
|      | <b>SHI</b>             | <b>153,8</b> |
|      | rank                   | 22.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>MS AMERY-RED</b> | <b>US000132415666</b> | <b>09.05.2001</b> | <b>LU-030</b>  |
| Country of origin   | US                    | <b>Breed</b>      | R100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 28.10.2002     |
|                     |                       | CA                | DC81224        |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LENTINI-ET     |            | US000002071864               |
| DE001012337003 | <b>PGD</b> | LOOSLEA BLK STAR MONIQUE-ET  |
|                |            | US000014122737               |
| <b>Dam</b>     | <b>MGS</b> | GLEN-TOCTIN JOHNSON-ET       |
| MS AMELIA-ET   |            | US000002145651               |
| US000120265853 | <b>MGD</b> | BLUE-CUT ELTON AMBER         |
|                |            | US000014458034               |

|                             |            |           |           |             |            |              |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>283</b> | Rel.         | <b>97 %</b> | <b>SPI</b> | <b>-1450</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat          | %           | rank       | 745.         |
| <b>5819</b>                 |            |           |           | <b>-102</b> | <b>-24</b> | <b>-0,39</b> | <b>-10</b>  | <b>SCS</b> | <b>2,83</b>  |
|                             |            |           |           |             |            |              |             | rank       | 328.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 2</b> | Daug. | <b>65</b> | 81,1 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>2,33</b> |
|                  |             |       |               |       |           |      |      | rank        | 5.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,39  |    |    |   |    |    |
| Angularity            | 0,80  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | 0,14  |    |    |   |    |    |
| Rear Legs Side View   | 0,64  |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | 0,67  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 2,30  |    |    |   |    |    |
| Rear Udder Height     | 0,91  |    |    |   |    |    |
| Rear Udder Width      | 1,07  |    |    |   |    |    |
| Central Ligament      | 1,27  |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | 1,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,82  |    |    |   |    |    |
| Locomotion            | -0,47 |    |    |   |    |    |
| Body Condition        | -0,77 |    |    |   |    |    |

daught. average

86,0 **Frame** **1,81**

81,9 **Dairy Strength** **1,99**

81,7 **Feet & Legs** **-0,66**

77,9 **Udder** **2,36**

**SHI** **49,4**

rank 207.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>CEDARWAL APTITUDE-ET</b> | <b>CA000010743429</b> | <b>08.07.2000</b> | <b>MNA-012</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 19.11.2002 |
|                   |                | CA           | DC82603    |

### Pedigree

|                         |            |                           |         |
|-------------------------|------------|---------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |         |
| ETAZON ADDISON-ET       |            | US000002070579            | RAY-002 |
| NL000839380546          | <b>PGD</b> | TIDY-BROOK ELTON STEPH-ET |         |
|                         |            | US000014080279            |         |
| <b>Dam</b>              | <b>MGS</b> | SHOREMAR MASON-ET         |         |
| SUMMERSHADE ILENE MASON |            | CA000005279989            | LID-001 |
| CA000006655180          | <b>MGD</b> | SUMMERSHADE ILENE SCOT-ET |         |
|                         |            | CA000005619306            |         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 28 | Daug. | 752 | Rel.  | 99 % | <b>SPI</b> | 1328        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 13436                       |            |           |    | 493   | 11  | -0,15 | 5    | -0,20      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 180.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 940.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 5 | Daug. | 116 | 79,9 | Rel. | 89 % | <b>TYPE</b> | 2,18 |
|                  |             |       |        |       |     |      |      |      | rank        | 6.   |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,19  |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,62  |    |    |   |    |    |
| Rump Angle            | 0,40  |    |    |   |    |    |
| Rear Legs Side View   | 0,43  |    |    |   |    |    |
| Foot Angle            | 0,36  |    |    |   |    |    |
| Fore Udder Attachment | 0,37  |    |    |   |    |    |
| Front Teat Placement  | 1,45  |    |    |   |    |    |
| Teat Length           | 1,38  |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | 0,72  |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | 0,75  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 1,03  |    |    |   |    |    |
| Locomotion            | 0,79  |    |    |   |    |    |
| Body Condition        | -0,59 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 85,2 | <b>Frame</b>           | 1,79  |
|                 | 80,7 | <b>Dairy Strength</b>  | 2,27  |
|                 | 79,3 | <b>Feet &amp; Legs</b> | 1,73  |
|                 | 77,1 | <b>Udder</b>           | 0,91  |
|                 |      | <b>SHI</b>             | 127,1 |
|                 |      | rank                   | 47.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                      |                   |                |
|-----------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number  | Birth date        | State Register |
| <b>PENNVIEW INTRUDER-ET</b> | <b>CA00009313510</b> | <b>20.04.2001</b> | <b>LU-034</b>  |
| Country of origin           | CA                   | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.       | Herdbook          | HA             |
|                             |                      | Paternity         | 29.01.2005     |
|                             |                      | CA                | IG067938A      |

### Pedigree

|                           |            |                              |
|---------------------------|------------|------------------------------|
| <b>Sire</b>               | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LEXVOLD LUKE HERSHEL-ET   |            | US000002071864               |
| US000002294436            | <b>PGD</b> | LEXVOLD MASCOT HILARY-ET     |
| LU-013                    |            | US000014854001               |
| <b>Dam</b>                | <b>MGS</b> | STARTMORE RUDOLPH-ET         |
| PENNVIEW RUDOLPH INDIA-ET |            | CA000005470579               |
| CA000006830328            | <b>MGD</b> | PENNVIEW BLACKSTAR IVANNA    |
|                           |            | CA000005803584               |

|                             |            |           |   |            |           |              |           |              |            |
|-----------------------------|------------|-----------|---|------------|-----------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 4 | Daug.      | 51        | Rel.         | 86 %      | <b>SPI</b>   | 2085       |
| Number controls             |            | <b>BV</b> |   | Milk       |           | Fat          | %         | Prot.        | %          |
| <b>824</b>                  |            |           |   | <b>638</b> | <b>18</b> | <b>-0,11</b> | <b>11</b> | <b>-0,18</b> | <b>SCS</b> |
|                             |            |           |   |            |           |              |           |              | rank       |
|                             |            |           |   |            |           |              |           |              | ...        |
|                             |            |           |   |            |           |              |           |              | rank       |
|                             |            |           |   |            |           |              |           |              | ...        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 2 | Daug. | 29 | 82,8 | Rel. | 70 % | <b>TYPE</b> | 2,13 |
|                  |             |       |       |       |    |      |      |      | rank        | 7.   |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,53  |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | 0,51  |    |    |   |    |    |
| Body Depth            | 0,71  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 1,09  |    |    |   |    |    |
| Fore Udder Attachment | 0,40  |    |    |   |    |    |
| Front Teat Placement  | -0,31 |    |    |   |    |    |
| Teat Length           | 0,69  |    |    |   |    |    |
| Rear Udder Height     | 0,58  |    |    |   |    |    |
| Rear Udder Width      | 0,79  |    |    |   |    |    |
| Central Ligament      | 0,97  |    |    |   |    |    |
| Udder Depth           | 0,58  |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,6 | <b>Frame</b>           | <b>0,95</b>  |
| 81,5 | <b>Dairy Strength</b>  | <b>1,16</b>  |
| 84,8 | <b>Feet &amp; Legs</b> | <b>2,40</b>  |
| 81,4 | <b>Udder</b>           | <b>1,64</b>  |
|      | <b>SHI</b>             | <b>148,1</b> |
|      | rank                   | 26.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>SANDY-VALLEY BYRLE-ET</b> | <b>US000130083625</b> | <b>25.08.2000</b> | <b>ELN-020</b> |
| Country of origin            | US                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 27.09.2001     |
|                              |                       | CA                | BT800061       |

### Pedigree

|                           |            |                            |         |
|---------------------------|------------|----------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | EMPRISE BELL ELTON         |         |
| WA-DEL CONVINCER-ET       |            | US000001912270             |         |
| US000002249055            | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET    |         |
| ELN-002                   |            | US000013372706             |         |
| <b>Dam</b>                | <b>MGS</b> | RICECREST MARTY-ET         |         |
| SANDY-VALLEY MARTY BEA-ET |            | US000002231562             | TES-007 |
| US000125932530            | <b>MGD</b> | RICECREST BWOOD BRIANNE-ET |         |
|                           |            | US000015731228             |         |

|                             |            |           |           |            |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>14</b> | Daug.      | <b>169</b> | Rel.      | <b>96 %</b> | <b>SPI</b> | <b>3732</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %            |
| <b>3238</b>                 |            |           |           | <b>797</b> |            | <b>41</b> | <b>0,16</b> | <b>23</b>  | <b>-0,03</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>2,75</b>  |
|                             |            |           |           |            |            |           |             | rank       | 20.          |
|                             |            |           |           |            |            |           |             | rank       | 235.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 5</b> | Daug. | <b>95</b> | 80,0 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>2,10</b> |
|                  |             |       |               |       |           |      |      | rank        | 8.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,59  |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | -0,52 |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | 0,41  |    |    |   |    |    |
| Fore Udder Attachment | 0,39  |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | 0,54  |    |    |   |    |    |
| Rear Udder Height     | 0,58  |    |    |   |    |    |
| Rear Udder Width      | 0,89  |    |    |   |    |    |
| Central Ligament      | 0,89  |    |    |   |    |    |
| Udder Depth           | 0,32  |    |    |   |    |    |
| Rump Width            | 0,55  |    |    |   |    |    |
| Rear Legs Rear View   | -0,16 |    |    |   |    |    |
| Rear Teat Placement   | 0,96  |    |    |   |    |    |
| Locomotion            | 0,47  |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

82,9 **Frame** **1,01**

80,3 **Dairy Strength** **0,96**

79,9 **Feet & Legs** **1,56**

78,5 **Udder** **2,13**

**SHI** **196,4**

rank 8.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>DE-SU 521 BOOKEM-ET</b> | <b>US000066636657</b> | <b>21.02.2009</b> | <b>BS-064</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 15.12.2009 |
|                   |                                   | US           | M09059688  |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ROSE-BAUM TABOO-ET          |
| ENSENADA TABOO PLANET-ET    |            | US000017121203              |
| US000060597003              | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET    |
| BS-050                      |            | US000130161039              |
| <b>Dam</b>                  | <b>MGS</b> | RAMOS                       |
| CLEAR-ECHO 822 RAMO 1199-ET |            | DE000341485350              |
| US000061765027              | <b>MGD</b> | CLEAR-ECHO HERSHL D-RAC 822 |
|                             |            | US000060427332              |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>11</b> | Daug.      | <b>92</b> | Rel.      | <b>88 %</b>  | <b>SPI</b> | <b>2932</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 38.         |
| <b>666</b>                  |            |           |           | <b>695</b> |           | <b>11</b> | <b>-0,27</b> | <b>SCS</b> | <b>2,25</b> |
|                             |            |           |           |            |           | <b>26</b> | <b>0,08</b>  | rank       | 18.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 8</b> | Daug. | <b>56</b> | 82,9 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>2,08</b> |
|                  |             |       |               |       |           |      |      | rank        | 9.          |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,04  |    |    |   |    |    |
| Angularity            | 0,07  |    |    |   |    |    |
| Chest Width           | 0,30  |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,23  |    |    |   |    |    |
| Rear Legs Side View   | -0,23 |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | 0,84  |    |    |   |    |    |
| Front Teat Placement  | 0,73  |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | 0,87  |    |    |   |    |    |
| Rear Udder Width      | 0,79  |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | 0,76  |    |    |   |    |    |
| Rump Width            | 0,05  |    |    |   |    |    |
| Rear Legs Rear View   | 0,88  |    |    |   |    |    |
| Rear Teat Placement   | 0,62  |    |    |   |    |    |
| Locomotion            | 0,51  |    |    |   |    |    |
| Body Condition        | 0,03  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 86,3 | <b>Frame</b>           | <b>1,58</b>  |
| 81,7 | <b>Dairy Strength</b>  | <b>0,62</b>  |
| 85,0 | <b>Feet &amp; Legs</b> | <b>1,33</b>  |
| 80,8 | <b>Udder</b>           | <b>1,73</b>  |
|      | <b>SHI</b>             | <b>171,7</b> |
|      | rank                   | 15.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>GEN-I-BEQ SOUDAN-ET</b> | <b>CA000102437934</b> | <b>20.08.2004</b> | <b>SOM-027</b> |
| Country of origin          | CA                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 31.05.2005     |
|                            |                       | CA                | DC140740       |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | MAUGHLIN STORM-ET         |
| HARTLINE TITANIC-ET        |            | CA000005457798            |
| US000123066734             | <b>PGD</b> | DOCO LEADMAN TENACIOUS    |
| SOM-007                    |            | US000014734618            |
| <b>Dam</b>                 | <b>MGS</b> | SUMMERSHADE IGNITER       |
| BEN-I-BEQ IGNITER SHANA-ET |            | CA000006466625            |
| CA000008301908             | <b>MGD</b> | GLEN DRUMMOND SPLENDOR-ET |
|                            |            | CA000006847680            |

|                             |            |           |    |            |     |            |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 351 | Rel.       | 98 %         | <b>SPI</b> | 706          |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat        | %            | rank       | 299.         |
| <b>6332</b>                 |            |           |    | <b>371</b> |     | <b>-11</b> | <b>-0,45</b> | <b>7</b>   | <b>-0,09</b> |
|                             |            |           |    |            |     |            |              | <b>SCS</b> | <b>2,93</b>  |
|                             |            |           |    |            |     |            |              | rank       | 430.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 3 | Daug. | 28 | 81,2 | Rel. | 68 % | <b>TYPE</b> | 2,08 |
|                  |             |       |       |       |    |      |      | rank | 10.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,24  |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | -0,56 |    |    |   |    |    |
| Foot Angle            | 1,23  |    |    |   |    |    |
| Fore Udder Attachment | 0,41  |    |    |   |    |    |
| Front Teat Placement  | 0,58  |    |    |   |    |    |
| Teat Length           | 1,23  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,82  |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 0,68  |    |    |   |    |    |
| Rump Width            | 0,51  |    |    |   |    |    |
| Rear Legs Rear View   | 0,15  |    |    |   |    |    |
| Rear Teat Placement   | 0,83  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,24  |    |    |   |    |    |

daught. average

86,6 **Frame** **1,80**

82,4 **Dairy Strength** **0,43**

82,5 **Feet & Legs** **1,86**

77,2 **Udder** **1,41**

**SHI** **104,5**

rank 81.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>END-ROAD BEACON-ET</b> | <b>US000136800233</b>             | <b>10.09.2005</b> | <b>PEL-044</b> |
| Country of origin         | US                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 31.05.2006     |
|                           |                                   | US                | M06017795      |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | CAROL PRELUDE MTOTO-ET      |
| PICSTON SHOTTLE-ET    |            | IT006001001962              |
| GB000000598172        | <b>PGD</b> | CONDON AERO SHARON          |
| PEL-033               |            | CA000005373153              |
| <b>Dam</b>            | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| END-ROAD MARSHALL BUG |            | US000002290977              |
| US000131926022        | <b>MGD</b> | END-ROAD MARTY BEETLE-ET    |
|                       |            | US000127943459              |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.      | 327 | Rel.      | 97 %         | <b>SPI</b> | 2562         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>4898</b>                 |            |           |    | <b>800</b> |     | <b>15</b> | <b>-0,28</b> | <b>16</b>  | <b>-0,17</b> |
|                             |            |           |    |            |     |           |              | rank       | 57.          |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | <b>2,62</b>  |
|                             |            |           |    |            |     |           |              | rank       | 137.         |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 52 / 9 | Daug. | 262 | 82,4 | Rel. | 94 % | <b>TYPE</b> | 2,04 |
|                  |             |       |        |       |     |      |      |      | rank        | 11.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,01  |    |    |   |    |    |
| Rump Angle            | 0,47  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,20  |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | -0,63 |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | 1,61  |    |    |   |    |    |
| Rear Udder Width      | 0,83  |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | 0,59  |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | 0,97  |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | 0,43  |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,2 | <b>Frame</b>           | <b>0,87</b>  |
| 81,7 | <b>Dairy Strength</b>  | <b>0,54</b>  |
| 83,9 | <b>Feet &amp; Legs</b> | <b>1,66</b>  |
| 80,6 | <b>Udder</b>           | <b>2,33</b>  |
|      | <b>SHI</b>             | <b>158,8</b> |
|      | rank                   | 20.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                            |                   |                       |
|-------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>              | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BARBI-LYN M MATCHES-ET</b> | <b>US000129766502</b>      | <b>21.03.2000</b> | <b>PEL-028</b>        |

|                   |                                   |              |              |
|-------------------|-----------------------------------|--------------|--------------|
| Country of origin | US                                | <b>Breed</b> | H100         |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA           |
|                   |                                   | Paternity    | 31.05.2005   |
|                   |                                   | US           | HU2005005730 |

### Pedigree

|                            |            |                               |         |
|----------------------------|------------|-------------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | RONNYBROOK PRELUDE-ET         |         |
| CAROL PRELUDE MTOTO-ET     |            | CA000000392457                | STB-016 |
| IT006001001962             | <b>PGD</b> | BLACKSTAR BETSY-ET            |         |
|                            |            | US000014459466                |         |
| <b>Dam</b>                 | <b>MGS</b> | AMELDIN II PONTIAC HUNTER-323 |         |
| WINDCREST HUNTER MATTIE-ET |            | US000002094527                | PTC-010 |
| US000121627182             | <b>MGD</b> | EASTVIEW IMAGE MATTIE G-ET    |         |
|                            |            | US000013991469                |         |

|                             |            |           |           |             |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.       | <b>1220</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>4152</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       | %            | rank       | 14.         |
| <b>21750</b>                |            |           |           | <b>1086</b> |             | <b>37</b> | <b>-0,08</b> | <b>SCS</b> | <b>2,90</b> |
|                             |            |           |           |             |             | <b>26</b> | <b>-0,16</b> | rank       | 401.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>76 / 17</b> | Daug. | <b>297</b> | 80,7 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>2,01</b> |
|                  |             |       |                |       |            |      |      | rank        | 12.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,06  |    |    |   |    |    |
| Angularity            | 0,71  |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | 0,82  |    |    |   |    |    |
| Rump Angle            | -0,29 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,30  |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | 0,88  |    |    |   |    |    |
| Central Ligament      | 1,16  |    |    |   |    |    |
| Udder Depth           | -0,37 |    |    |   |    |    |
| Rump Width            | 0,37  |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,12 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 83,4 | <b>Frame</b>           | <b>0,42</b>  |
|                 | 81,7 | <b>Dairy Strength</b>  | <b>2,61</b>  |
|                 | 80,7 | <b>Feet &amp; Legs</b> | <b>0,71</b>  |
|                 | 78,9 | <b>Udder</b>           | <b>2,16</b>  |
|                 |      | <b>SHI</b>             | <b>205,5</b> |
|                 |      | rank                   | 5.           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells  
SHA 11/2017 Type breeding values released by (Slovak Holstein Association)  
Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).  
SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>WALLACEVIEW ALADDIN-ET</b> | <b>CA000007317441</b> | <b>22.12.2001</b> | <b>EMY-007</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 26.08.2002 |
|                   |                | CA           | DC77051    |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | MJR BLACKSTAR EMORY-ET     |
| CANYON-BREEZE ALLEN-ET |            | US000002114601             |
| US000017129288         | <b>PGD</b> | CANYON-BREEZE WST AMBER-ET |
|                        |            | US000014706235             |
| <b>Dam</b>             | <b>MGS</b> | STARTMORE RUDOLPH-ET       |
| WALLACEVIEW RUD REINA  |            | CA000005470579             |
| CA000006809320         | <b>MGD</b> | WALLACEVIEW ODIN REGAL     |
|                        |            | CA000005277636             |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 143 | Rel. | 95 % | <b>SPI</b> | 907         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>2854</b>                 |            |           |    | -3    | 12  | 0,21 | 9    | 0,20       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 261.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 787.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 20 / 4 | Daug. | 74 | 80,8 | Rel. | 83 % | <b>TYPE</b> | 2,00 |
|                  |             |       |        |       |    |      |      |      | rank        | 13.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,67  |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,13  |    |    |   |    |    |
| Body Depth            | 1,00  |    |    |   |    |    |
| Rump Angle            | 1,10  |    |    |   |    |    |
| Rear Legs Side View   | -0,38 |    |    |   |    |    |
| Foot Angle            | -0,46 |    |    |   |    |    |
| Fore Udder Attachment | 0,15  |    |    |   |    |    |
| Front Teat Placement  | 1,12  |    |    |   |    |    |
| Teat Length           | -1,23 |    |    |   |    |    |
| Rear Udder Height     | 1,11  |    |    |   |    |    |
| Rear Udder Width      | 1,08  |    |    |   |    |    |
| Central Ligament      | 0,31  |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 0,72  |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 84,8 | <b>Frame</b>           | 0,98  |
| 81,7 | <b>Dairy Strength</b>  | 2,08  |
| 80,4 | <b>Feet &amp; Legs</b> | -1,01 |
| 78,6 | <b>Udder</b>           | 2,35  |
|      | <b>SHI</b>             | 107,5 |
|      | rank                   | 74.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>GENOS GAVOR</b> | <b>CZ000010049071</b>             | <b>01.12.2002</b> | <b>CHP-005</b> |
| Country of origin  | CZ                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 27.05.2003     |
|                    |                                   | CZ                | 80403          |

### Pedigree

|                            |            |                          |         |
|----------------------------|------------|--------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | STARTMORE RUDOLPH-ET     |         |
| CALBRETT-I H H CHAMPION-ET |            | CA000005470579           | ARS-015 |
| CA000006961162             | <b>PGD</b> | SKYS-THE-LIMIT CLAIRE-ET |         |
| RUH-002                    |            | US000015386863           |         |
| <b>Dam</b>                 | <b>MGS</b> | DIXIE-LEE AARON-ET       |         |
| GENOS NORA                 |            | US000002265005           | LU-009  |
| CZ0000120101709            | <b>MGD</b> | US MASAL TERESA BELLWOOD |         |
|                            |            | US000017056814           |         |

|                             |            |           |           |            |             |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>59</b> | Daug.      | <b>1839</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>2122</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      | %            | Prot.      | %            |
| <b>32429</b>                |            |           |           | <b>644</b> |             | <b>1</b> | <b>-0,41</b> | <b>19</b>  | <b>-0,03</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>2,91</b>  |
|                             |            |           |           |            |             |          |              | rank       | 402.         |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>108 / 19</b> | Daug. | <b>611</b> | 80,8 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>1,99</b> |
|                  |             |       |                 |       |            |      |      |             | rank        | 14.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,38  |    |    |   |    |    |
| Angularity            | 0,93  |    |    |   |    |    |
| Chest Width           | -0,51 |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | -0,42 |    |    |   |    |    |
| Teat Length           | 0,47  |    |    |   |    |    |
| Rear Udder Height     | 0,92  |    |    |   |    |    |
| Rear Udder Width      | 1,03  |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | 0,11  |    |    |   |    |    |
| Rump Width            | -0,17 |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | 0,83  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,65 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,9 | <b>Frame</b>           | <b>1,41</b>  |
| 81,3 | <b>Dairy Strength</b>  | <b>1,50</b>  |
| 81,0 | <b>Feet &amp; Legs</b> | <b>0,93</b>  |
| 78,5 | <b>Udder</b>           | <b>1,60</b>  |
|      | <b>SHI</b>             | <b>143,4</b> |
|      | rank                   | 29.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>EMERALD-ACR-SA T-BAXTER</b> | <b>US000132973942</b> | <b>07.04.2002</b> | <b>EMY-019</b> |
| Country of origin              | US                    | <b>Breed</b>      | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                |                       | Paternity         | 02.10.2006     |
|                                |                       | US                | MO6020060      |

### Pedigree

|                             |            |                        |
|-----------------------------|------------|------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MJR BLACKSTAR EMORY-ET |
| FUSTEAD EMORY BLITZ-ET      |            | US000002114601         |
| US000017013604              | <b>PGD</b> | FUSTEAD TESK BEV       |
|                             |            | US000014947858         |
| <b>Dam</b>                  | <b>MGS</b> | CAROL PRELUDE MTOTO-ET |
| EMERALD-ACR-SA T-MALLORY-ET |            | IT006001001962         |
| US000130227821              | <b>MGD</b> | EMERALD-ACR-SA TOOT-ET |
|                             |            | US000017077105         |

|                             |            |           |    |             |     |           |              |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug.       | 491 | Rel.      | 98 %         | <b>SPI</b> | 3282         |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %            | Prot.      | %            |
| <b>5033</b>                 |            |           |    | <b>1018</b> |     | <b>32</b> | <b>-0,12</b> | <b>15</b>  | <b>-0,31</b> |
|                             |            |           |    |             |     |           |              | <b>SCS</b> | 3,26         |
|                             |            |           |    |             |     |           |              | rank       | 27.          |
|                             |            |           |    |             |     |           |              | rank       | 872.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 18 | 82,2 | Rel. | 74 % | <b>TYPE</b> | 1,97 |
|                  |             |       |       |       |    |      |      |      | rank        | 15.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,89  |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | 0,03  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | 0,13  |    |    |   |    |    |
| Front Teat Placement  | 0,03  |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | 0,52  |    |    |   |    |    |
| Rear Udder Width      | 0,73  |    |    |   |    |    |
| Central Ligament      | 1,54  |    |    |   |    |    |
| Udder Depth           | -0,35 |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | 0,31  |    |    |   |    |    |
| Rear Teat Placement   | 1,02  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

83,3 **Frame** 1,10

82,7 **Dairy Strength** 1,70

84,5 **Feet & Legs** 1,27

80,4 **Udder** 1,52

**SHI** 177,7

rank 12.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MERLIN</b>     | <b>DE000352239216</b>             | <b>29.03.2008</b> | <b>EMY-013</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 18.07.2008     |
|                   |                                   | DE                | 08/38805       |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER |            | US000017013604              |
| US000132973942          | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                 |            | US000130227821              |
| <b>Dam</b>              | <b>MGS</b> | PICSTON SHOTTLE-ET          |
| RR RIO-ET               |            | GB000000598172              |
| DE000350104899          | <b>MGD</b> | RITA-REIN                   |
|                         |            | NL000349794606              |
|                         |            | PEL-033                     |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.      | 200 | Rel.      | 96 %         | <b>SPI</b> | 1301         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>4146</b>                 |            |           |    | <b>473</b> |     | <b>12</b> | <b>-0,11</b> | <b>5</b>   | <b>-0,21</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | <b>3,62</b>  |
|                             |            |           |    |            |     |           |              | rank       | 188.         |
|                             |            |           |    |            |     |           |              | rank       | 1164.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 20 / 11 | Daug. | 54 | 80,9 | Rel. | 80 % | <b>TYPE</b> | 1,93 |
|                  |             |       |         |       |    |      |      |      | rank        | 16.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,51  |    |    |   |    |    |
| Angularity            | 0,29  |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,34  |    |    |   |    |    |
| Rump Angle            | 0,57  |    |    |   |    |    |
| Rear Legs Side View   | -0,66 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,48  |    |    |   |    |    |
| Front Teat Placement  | -0,25 |    |    |   |    |    |
| Teat Length           | 0,91  |    |    |   |    |    |
| Rear Udder Height     | 0,83  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | 0,85  |    |    |   |    |    |
| Udder Depth           | 0,25  |    |    |   |    |    |
| Rump Width            | 0,61  |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,70  |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,5 | <b>Frame</b> | <b>2,11</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,4 | <b>Dairy Strength</b> | <b>1,21</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 81,0 | <b>Feet &amp; Legs</b> | <b>0,33</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,9 | <b>Udder</b> | <b>1,47</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>116,4</b> |
|--|------------|--------------|

rank 60.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>PICSTON SHOTTLE-ET</b> | <b>GB000000598172</b> | <b>23.07.1999</b> | <b>PEL-033</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | GB                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 29.10.2002 |
|                   |                                   | NL           | 90583      |

### Pedigree

|                        |            |                          |         |
|------------------------|------------|--------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | RONNYBROOK PRELUDE-ET    |         |
| CAROL PRELUDE MTOTO-ET |            | CA000000392457           | STB-016 |
| IT006001001962         | <b>PGD</b> | BLACKSTAR BETSY-ET       |         |
|                        |            | US000014459466           |         |
| <b>Dam</b>             | <b>MGS</b> | MADAWASKA AEROSTAR       |         |
| CONDON AERO SHARON     |            | CA000000383622           | STB-011 |
| CA000005373153         | <b>MGD</b> | CONDON INSPIRATION SALLY |         |
|                        |            | CA000004532714           |         |

|                             |            |           |   |             |           |             |           |              |            |
|-----------------------------|------------|-----------|---|-------------|-----------|-------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug.       | 15        | Rel.        | 91 %      | <b>SPI</b>   | 4385       |
| Number controls             |            | <b>BV</b> |   | Milk        | Fat       | %           | Prot.     | %            | rank       |
| <b>259</b>                  |            |           |   | <b>1034</b> | <b>41</b> | <b>0,02</b> | <b>28</b> | <b>-0,07</b> | <b>SCS</b> |
|                             |            |           |   |             |           |             |           |              | rank       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 10 | 81,0 | Rel. | 85 % | <b>TYPE</b> | 1,93 |
|                  |             |       |       |       |    |      |      |      | rank        | 17.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,06  |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | 0,66  |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,74  |    |    |   |    |    |
| Front Teat Placement  | 0,52  |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 0,83  |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | 0,86  |    |    |   |    |    |
| Udder Depth           | 1,29  |    |    |   |    |    |
| Rump Width            | 0,42  |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 0,59  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,5 | <b>Frame</b> | 1,33 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,7 | <b>Dairy Strength</b> | 1,06 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 81,9 | <b>Feet &amp; Legs</b> | 0,87 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 78,6 | <b>Udder</b> | 1,81 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 209,3 |
|--|------------|-------|

rank 4.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>GILLETTE WINDBROOK</b> | <b>CA000007816429</b> | <b>08.01.2006</b> | <b>PEL-042</b> |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 03.08.2006     |
|                           |                       | CA                | DC166868       |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>                                  | <b>PGS</b> | CAROL PRELUDE MTOTO-ET<br>IT006001001962         |
| GILLETTE BRILEA FBI-ET<br>CA000008209524     | <b>PGD</b> | GILLETTE BRILEA BELLE FLEUR-ET<br>CA000006735509 |
| <b>Dam</b>                                   | <b>MGS</b> | FUSTEAD EMORY BLITZ-ET<br>US000017013604         |
| GILLETTE BLIZT 2ND WIND-ET<br>CA000007352248 | <b>MGD</b> | BREADALE SECOND CUT-ET<br>CA000006860889         |

|                             |            |           |          |            |            |           |              |            |              |
|-----------------------------|------------|-----------|----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>6</b> | Daug.      | <b>158</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>1027</b>  |
| Number controls             |            | <b>BV</b> |          | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>1787</b>                 |            |           |          | <b>439</b> |            | <b>-4</b> | <b>-0,37</b> | <b>8</b>   | <b>-0,12</b> |
|                             |            |           |          |            |            |           |              | <b>SCS</b> | <b>2,61</b>  |
|                             |            |           |          |            |            |           |              | rank       | ...          |
|                             |            |           |          |            |            |           |              | rank       | ...          |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 2</b> | Daug. | <b>18</b> | 81,8 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>1,92</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 18.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,04  |    |    |   |    |    |
| Angularity            | 0,61  |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | 0,05  |    |    |   |    |    |
| Rear Legs Side View   | -0,43 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | -1,38 |    |    |   |    |    |
| Rear Udder Height     | 0,77  |    |    |   |    |    |
| Rear Udder Width      | 0,55  |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | -0,14 |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,09  |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

84,5 **Frame** **1,49**

83,6 **Dairy Strength** **1,43**

83,6 **Feet & Legs** **0,87**

78,3 **Udder** **1,29**

**SHI** **107,7**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GLEN-D-HAVEN BANDO-ET</b> | <b>US000052482463</b> | <b>24.10.2004</b> | <b>BW-046</b>  |
| Country of origin            | US                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 23.08.2005     |
|                              |                       | CA                | DC145670       |

### Pedigree

|                             |            |                             |         |
|-----------------------------|------------|-----------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET      |         |
| MARA-THON BW MARSHALL-ET TV |            | US000002103297              | MEW-004 |
| US000002290977              | <b>PGD</b> | MORGAN VALLEY ELTON MARA    |         |
|                             |            | US000014840387              |         |
| <b>Dam</b>                  | <b>MGS</b> | DIXIE-LEE AARON-ET          |         |
| GLEN-D-HAVEN AARON BAMBI-ET |            | US000002265005              | LU-009  |
| US000050426692              | <b>MGD</b> | GLEN-D-HAVEN ELTON BILLY-ET |         |
|                             |            | US000017127415              |         |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.      | <b>544</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>2541</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 58.          |
| <b>8916</b>                 |            |           |           | <b>607</b> |            | <b>24</b> | <b>-0,00</b> | <b>16</b>  | <b>-0,06</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>2,79</b>  |
|                             |            |           |           |            |            |           |              | rank       | 285.         |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 9</b> | Daug. | <b>123</b> | 81,8 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>1,86</b> |
|                  |             |       |               |       |            |      |      | rank        | 19.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,06  |    |    |   |    |    |
| Angularity            | 0,35  |    |    |   |    |    |
| Chest Width           | -0,42 |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,79  |    |    |   |    |    |
| Rear Legs Side View   | -1,10 |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | 1,27  |    |    |   |    |    |
| Front Teat Placement  | 0,77  |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | 1,11  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 1,40  |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | 0,33  |    |    |   |    |    |
| Rear Teat Placement   | 0,78  |    |    |   |    |    |
| Locomotion            | 0,48  |    |    |   |    |    |
| Body Condition        | -0,50 |    |    |   |    |    |

daught. average

85,8 **Frame** **1,10**

81,7 **Dairy Strength** **0,16**

83,6 **Feet & Legs** **2,10**

79,0 **Udder** **1,80**

**SHI** **150,9**

rank 24.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DOBRONIN JALLIE-ET</b> | <b>CZ000507265061</b>      | <b>13.10.2005</b> | <b>BW-032</b>         |
| Country of origin         | CZ                         | <b>Breed</b>      | H100                  |
| Distributor               | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                           |                            | Paternity         | 08.11.2006            |
|                           |                            | CZ                | 0600654               |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET     |
| MARA-THON BW MARSHALL-ET TV | US000002103297 | MEW-004                    |
| US000002290977              | <b>PGD</b>     | MORGAN VALLEY ELTON MARA   |
|                             | US000014840387 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | STOUDER MORTY-ET           |
| NOR-BERT MORTY CALLIE-ET    | US000017349617 | FOM-004                    |
| US000133754328              | <b>MGD</b>     | NORDIC-HAVEN MTO CALICO-ET |
|                             | US000126142622 |                            |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 85  | Rel.  | 92 %  | <b>SPI</b> | 426        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1622                        |            |           |    | 495   | -9  | -0,50 | -0    | -0,32      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 342.       |
|                             |            |           |    |       |     |       |       |            | 562.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 7 | Daug. | 25 | 80,8 | Rel. | 66 % | <b>TYPE</b> | 1,85 |
|                  |             |       |        |       |    |      |      |      | rank        | 20.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,93  |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,49 |    |    |   |    |    |
| Foot Angle            | 0,69  |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | 1,69  |    |    |   |    |    |
| Teat Length           | 0,15  |    |    |   |    |    |
| Rear Udder Height     | 0,61  |    |    |   |    |    |
| Rear Udder Width      | 0,78  |    |    |   |    |    |
| Central Ligament      | 0,10  |    |    |   |    |    |
| Udder Depth           | 0,07  |    |    |   |    |    |
| Rump Width            | 0,41  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 1,25  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 84,3 | <b>Frame</b>           | 1,31 |
| 80,7 | <b>Dairy Strength</b>  | 1,29 |
| 82,7 | <b>Feet &amp; Legs</b> | 1,56 |
| 78,3 | <b>Udder</b>           | 1,22 |
|      | <b>SHI</b>             | 87,0 |
|      | rank                   | 110. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>ERASMUS</b>    | <b>DE000578615629</b>             | <b>13.03.1999</b> | <b>END-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 14.12.1999            |
|                   |                                   | NLD               | 0578615629            |

### Pedigree

|                    |            |                             |                |
|--------------------|------------|-----------------------------|----------------|
| <b>Sire</b>        | <b>PGS</b> | MARCREST ENCORE             |                |
| SCIENTIFIC ENDICOT |            | US000002048702              |                |
| US000017125134     | <b>PGD</b> | SCIENTIFIC CHRISTMS STAR-ET |                |
|                    |            | US000014701209              |                |
| <b>Dam</b>         | <b>MGS</b> | RONNYBROOK PRELUDE-ET       | <b>STB-016</b> |
| GLORIA             |            | CA000000392457              |                |
| DE000576636081     | <b>MGD</b> | GEORGINA                    |                |
|                    |            | DE000506054703              |                |

|                             |            |           |    |             |    |           |             |             |              |
|-----------------------------|------------|-----------|----|-------------|----|-----------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug.       | 92 | Rel.      | 93 %        | <b>SPI</b>  | <b>-1094</b> |
| Number controls             |            | <b>BV</b> |    | Milk        |    | Fat       | %           | Prot.       | %            |
| <b>1870</b>                 |            |           |    | <b>-275</b> |    | <b>-2</b> | <b>0,16</b> | <b>-10</b>  | <b>-0,05</b> |
|                             |            |           |    |             |    |           |             | <b>rank</b> | 670.         |
|                             |            |           |    |             |    |           |             | <b>SCS</b>  | <b>3,38</b>  |
|                             |            |           |    |             |    |           |             | rank        | 1009.        |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 16 | 78,6 | Rel. | 57 % | <b>TYPE</b> | <b>1,85</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 21.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,34  |    |    |   |    |    |
| Rump Angle            | -0,70 |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | 0,86  |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | 0,29  |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | 0,87  |    |    |   |    |    |
| Udder Depth           | 0,06  |    |    |   |    |    |
| Rump Width            | 0,52  |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | 0,88  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 79,3 | <b>Frame</b>           | <b>0,81</b> |
| 78,9 | <b>Dairy Strength</b>  | <b>1,70</b> |
| 79,8 | <b>Feet &amp; Legs</b> | <b>1,29</b> |
| 77,3 | <b>Udder</b>           | <b>1,00</b> |
|      | <b>SHI</b>             | <b>40,9</b> |
|      | rank                   | ...         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>CALBRETT-I H H CHAMPION-ET</b> | <b>CA000006961162</b>             | <b>06.08.1997</b> | <b>RUH-002</b> |
| Country of origin                 | CA                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         |                |

### Pedigree

|                          |            |                             |         |
|--------------------------|------------|-----------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | MADAWASKA AEROSTAR          |         |
| STARTMORE RUDOLPH-ET     |            | CA000000383622              | STB-011 |
| CA000005470579           | <b>PGD</b> | STARTMORE RACHELLE-ET       |         |
| ARS-015                  |            | CA000004324253              |         |
| <b>Dam</b>               | <b>MGS</b> | TO-MAR HORTON-ET            |         |
| SKYS-THE-LIMIT CLAIRE-ET |            | US000002007299              | VAO-003 |
| US000015386863           | <b>MGD</b> | COOKS-VALLEY L-MAN CURLY-ET |         |
|                          |            | US000014289247              |         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 143 | Rel.  | 96 % | <b>SPI</b> | 2077        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 2573                        |            |           |    | 680   | 20  | -0,12 | 9    | -0,24      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 94.         |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 189.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 6 | Daug. | 65 | 79,5 | Rel. | 87 % | <b>TYPE</b> | 1,85 |
|                  |             |       |        |       |    |      |      |      | rank        | 22.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,39  |    |    |   |    |    |
| Angularity            | 1,10  |    |    |   |    |    |
| Chest Width           | -0,54 |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | 0,64  |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | -0,46 |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | -0,21 |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | 1,05  |    |    |   |    |    |
| Rear Udder Width      | 0,97  |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | 0,22  |    |    |   |    |    |
| Rump Width            | 0,24  |    |    |   |    |    |
| Rear Legs Rear View   | 0,19  |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

81,6 **Frame** 1,61

80,7 **Dairy Strength** 2,63

77,6 **Feet & Legs** -0,55

78,7 **Udder** 1,36

**SHI** 136,5

rank 33.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>LA PRESENTATION PICOLO RED-ET</b> | <b>CA000102327659</b> | <b>17.06.2004</b> | <b>SOM-026</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 05.10.2004 |
|                   |                | CA           | DC126770   |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | MAUGHLIN STORM-ET         |
| PURSUIT SEPTEMBER STORM-ET |            | CA000005457798            |
| CA000006820564             | <b>PGD</b> | GLEN DRUMMOND SHIMMER-ET  |
| SOM-024                    |            | CA000006185591            |
| <b>Dam</b>                 | <b>MGS</b> | LENTINI-ET                |
| LA PRESENTATION PICCOLIE   |            | DE001012337003            |
| CA000007306972             | <b>MGD</b> | LA PRESENTATION RAMADA-ET |
|                            |            | CA000009098172            |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug. | 283 | Rel.  | 97 % | <b>SPI</b> | 406         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| <b>5103</b>                 |            |           |    | 160   | 2   | -0,09 | 2    | -0,07      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 346.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 32.         |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 3 | Daug. | 70 | 81,3 | Rel. | 82 % | <b>TYPE</b> | 1,84 |
|                  |             |       |        |       |    |      |      |      | rank        | 23.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,52  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,00 |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | -0,22 |    |    |   |    |    |
| Rear Legs Side View   | -0,72 |    |    |   |    |    |
| Foot Angle            | 0,92  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | -0,13 |    |    |   |    |    |
| Teat Length           | -0,23 |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | -0,17 |    |    |   |    |    |
| Rear Legs Rear View   | 1,03  |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | -0,58 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 86,5 | <b>Frame</b> | 1,95 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 82,1 | <b>Dairy Strength</b> | 1,53 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 83,7 | <b>Feet &amp; Legs</b> | 1,68 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,2 | <b>Udder</b> | 0,57 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 85,9 |
|--|------------|------|

rank 113.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                            |                   |                       |
|-------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>        | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MISTER LANARK-ET</b> | <b>US000133618576</b>      | <b>13.11.2002</b> | <b>MSN-005</b>        |
| Country of origin       | US                         | <b>Breed</b>      | H100                  |
| Distributor             | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                         |                            | Paternity         | 31.10.2003            |
|                         |                            | CA                | DC106755              |

### Pedigree

|                        |            |                         |         |
|------------------------|------------|-------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | SHOREMAR MASON-ET       |         |
| COMESTAR LHEROS-ET     |            | CA000005279989          | LID-001 |
| CA000006663935         | <b>PGD</b> | COMESTAR LAURA BLACK-ET |         |
| MSN-006                |            | CA000005319783          |         |
| <b>Dam</b>             | <b>MGS</b> | OLIVEHOLME AEROLINE-ET  |         |
| CARLOW AEROLINE LASSIE |            | CA000005429693          | ARS-022 |
| CA000010607099         | <b>MGD</b> | CARLOW LEADER 174       |         |
|                        |            | CA000006876423          |         |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 11 | Daug. | 138 | Rel. | 95 % | <b>SPI</b> | -733 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| 2553                        |            |           |    | -274  |     | -5   | 0,10 | -3         | 0,11 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,99 |
|                             |            |           |    |       |     |      |      | rank       | 582. |
|                             |            |           |    |       |     |      |      | rank       | 528. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 5 | Daug. | 71 | 80,0 | Rel. | 83 % | <b>TYPE</b> | 1,84 |
|                  |             |       |        |       |    |      |      | rank | 24.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,44  |    |    |   |    |    |
| Angularity            | 0,42  |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | 0,17  |    |    |   |    |    |
| Rump Angle            | 1,11  |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | 0,24  |    |    |   |    |    |
| Teat Length           | 0,09  |    |    |   |    |    |
| Rear Udder Height     | 1,11  |    |    |   |    |    |
| Rear Udder Width      | 0,85  |    |    |   |    |    |
| Central Ligament      | 0,28  |    |    |   |    |    |
| Udder Depth           | -0,20 |    |    |   |    |    |
| Rump Width            | 0,64  |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | 0,76  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 84,7 | <b>Frame</b>           | 1,62 |
| 79,7 | <b>Dairy Strength</b>  | 1,01 |
| 80,2 | <b>Feet &amp; Legs</b> | 0,64 |
| 77,8 | <b>Udder</b>           | 1,45 |
|      | <b>SHI</b>             | 51,3 |
|      | rank                   | 201. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>EMOTION</b>    | <b>FR007233531829</b>             | <b>04.05.2009</b> | <b>FOM-029</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 10.05.2010     |
|                   |                                   | FR                | F/S 540586     |

### Pedigree

|                       |            |                         |
|-----------------------|------------|-------------------------|
| <b>Sire</b>           | <b>PGS</b> | STOUDER MORTY-ET        |
| ANDACRES MORTY ONWARD |            | US000017349617          |
| US000134361093        | <b>PGD</b> | ANDACRES OUTSIDE OPHRAH |
|                       |            | US000129384254          |
| <b>Dam</b>            | <b>MGS</b> | ROTHENEUF               |
| CATALANE              |            | FR005360661767          |
| FR005344215675        | <b>MGD</b> | FR005344215386          |

|                             |            |           |    |            |           |              |           |              |             |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 85        | Rel.         | 90 %      | <b>SPI</b>   | 2362        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.     | %            | rank        |
| <b>1411</b>                 |            |           |    | <b>756</b> | <b>10</b> | <b>-0,33</b> | <b>16</b> | <b>-0,14</b> | <b>70.</b>  |
|                             |            |           |    |            |           |              |           |              | <b>SCS</b>  |
|                             |            |           |    |            |           |              |           |              | <b>2,94</b> |
|                             |            |           |    |            |           |              |           |              | rank        |
|                             |            |           |    |            |           |              |           |              | 449.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 9 | Daug. | 50 | 80,9 | Rel. | 76 % | <b>TYPE</b> | 1,83 |
|                  |             |       |        |       |    |      |      |      | rank        | 25.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,27  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | 0,78  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | 0,82  |    |    |   |    |    |
| Fore Udder Attachment | 0,05  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 0,34  |    |    |   |    |    |
| Rear Udder Height     | -0,00 |    |    |   |    |    |
| Rear Udder Width      | 0,86  |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | -0,83 |    |    |   |    |    |
| Rump Width            | 0,77  |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | -0,07 |    |    |   |    |    |
| Locomotion            | 0,25  |    |    |   |    |    |
| Body Condition        | 0,41  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,0 | <b>Frame</b>           | <b>0,83</b>  |
| 81,2 | <b>Dairy Strength</b>  | <b>0,42</b>  |
| 83,1 | <b>Feet &amp; Legs</b> | <b>2,20</b>  |
| 77,5 | <b>Udder</b>           | <b>1,16</b>  |
|      | <b>SHI</b>             | <b>144,6</b> |
|      | rank                   | 27.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                       |
|---------------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>                | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>MORNINGVIEW ARMSTRONG-ET</b> | <b>US000063927725</b>             | <b>01.11.2006</b> | <b>BW-051</b>         |
| Country of origin               | US                                | <b>Breed</b>      | H100                  |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                                 |                                   | Paternity         | 21.09.2007            |
|                                 |                                   | US                | M07030936             |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| JENNY-LOU MRSHL TOYSTORY-ET |            | US000002290977              |
| US000060372887              | <b>PGD</b> | JENNY-LOU PATRON TOYANE     |
| BW-053                      |            | US000017313307              |
| <b>Dam</b>                  | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |
| MORNINGVIEW OMAN ANNETTE-ET |            | US000122358313              |
| US000136212368              | <b>MGD</b> | MORNINGVIEW MTOTO APRIL     |
|                             |            | US000130604679              |

|                             |            |           |    |            |      |           |              |            |             |
|-----------------------------|------------|-----------|----|------------|------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 32 | Daug.      | 1027 | Rel.      | 99 %         | <b>SPI</b> | 1427        |
| Number controls             |            | <b>BV</b> |    | Milk       |      | Fat       | %            | rank       | 162.        |
| <b>14598</b>                |            |           |    | <b>193</b> |      | <b>29</b> | <b>0,38</b>  | <b>SCS</b> | <b>2,47</b> |
|                             |            |           |    |            |      | <b>6</b>  | <b>-0,01</b> | rank       | 70.         |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 91 / 20 | Daug. | 596 | 81,6 | Rel. | 97 % | <b>TYPE</b> | 1,81 |
|                  |             |       |         |       |     |      |      | rank | 26.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,86  |    |    |   |    |    |
| Angularity            | -0,06 |    |    |   |    |    |
| Chest Width           | 0,42  |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | -0,49 |    |    |   |    |    |
| Foot Angle            | 0,28  |    |    |   |    |    |
| Fore Udder Attachment | -0,10 |    |    |   |    |    |
| Front Teat Placement  | 0,69  |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,80  |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 0,28  |    |    |   |    |    |
| Rump Width            | 0,40  |    |    |   |    |    |
| Rear Legs Rear View   | 0,98  |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,00 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,6 | <b>Frame</b>           | <b>1,54</b>  |
| 81,7 | <b>Dairy Strength</b>  | <b>0,80</b>  |
| 83,0 | <b>Feet &amp; Legs</b> | <b>1,38</b>  |
| 78,9 | <b>Udder</b>           | <b>1,27</b>  |
|      | <b>SHI</b>             | <b>115,5</b> |
|      | rank                   | 63.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                            |                   |                       |
|-----------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>      | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>PARILE LOTO-ET</b> | <b>CA000106217585</b>      | <b>01.12.2009</b> | <b>BS-059</b>         |
| Country of origin     | CA                         | <b>Breed</b>      | H100                  |
| Distributor           | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                       |                            | Paternity         | 04.08.2010            |
|                       |                            | CA                | DC261188              |

### Pedigree

|                          |            |                           |
|--------------------------|------------|---------------------------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET        |
| ENSENADA TABOO PLANET-ET |            | US000017121203            |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET  |
| BS-050                   |            | US000130161039            |
| <b>Dam</b>               | <b>MGS</b> | BRAEDALE GOLDWYN-ET       |
| LA PRESENTATION LEONA-ET |            | CA000010705608            |
| CA000103473215           | <b>MGD</b> | LA PRESENTATION DAUREL-ET |
|                          |            | CA000006338056            |
|                          |            | GAD-002                   |

|                             |            |           |   |       |     |       |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug. | 93  | Rel.  | 90 %  | <b>SPI</b> | 2170       |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %     | Prot. | %          | rank       |
| 1672                        |            |           |   | 477   | 17  | -0,03 | 16    | 0,02       | <b>SCS</b> |
|                             |            |           |   |       |     |       |       |            | rank       |
|                             |            |           |   |       |     |       |       |            | ...        |
|                             |            |           |   |       |     |       |       |            | 2,56       |
|                             |            |           |   |       |     |       |       |            | ...        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 2 | Daug. | 17 | 82,1 | Rel. | 59 % | <b>TYPE</b> | 1,80 |
|                  |             |       |       |       |    |      |      |      | rank        | 27.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -0,36 |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | 1,05  |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | -0,72 |    |    |   |    |    |
| Rear Udder Height     | 1,09  |    |    |   |    |    |
| Rear Udder Width      | 0,65  |    |    |   |    |    |
| Central Ligament      | 0,94  |    |    |   |    |    |
| Udder Depth           | 1,28  |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 86,8 | <b>Frame</b>           | 0,72  |
| 81,4 | <b>Dairy Strength</b>  | -0,08 |
| 84,4 | <b>Feet &amp; Legs</b> | 0,78  |
| 79,2 | <b>Udder</b>           | 2,15  |
|      | <b>SHI</b>             | 137,6 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>FERDINAND-ET</b> | <b>DE000342474093</b> | <b>08.04.1998</b> | <b>FOM-002</b> |
| Country of origin   | DE                    | <b>Breed</b>      | H100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 06.07.1998     |
|                     |                       | DEU               | 98/8323        |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                    |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY          |
| LAD-009                     | US000013008118 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | TO-MAR BLACKSTAR-ET        |
| GLORA                       | US000001929410 | CHR-002                    |
| DE000021140862              | <b>MGD</b>     | GLORIA                     |
|                             | DE001020728770 |                            |

|                             |            |           |            |             |             |              |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>106</b> | Daug.       | <b>1136</b> | Rel.         | <b>99 %</b> | <b>SPI</b> | <b>-1484</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat          | %           | rank       | 758.         |
| <b>21698</b>                |            |           |            | <b>-153</b> | <b>-11</b>  | <b>-0,11</b> | <b>-15</b>  | <b>SCS</b> | <b>2,63</b>  |
|                             |            |           |            |             |             |              |             | rank       | 139.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>21 / 12</b> | Daug. | <b>163</b> | 78,7 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>1,77</b> |
|                  |             |       |                |       |            |      |      | rank        | 28.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,02  |    |    |   |    |    |
| Angularity            | 0,64  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | 0,67  |    |    |   |    |    |
| Rump Angle            | -0,56 |    |    |   |    |    |
| Rear Legs Side View   | 0,32  |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | 0,87  |    |    |   |    |    |
| Front Teat Placement  | 1,75  |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | 0,93  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | -0,40 |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | 1,72  |    |    |   |    |    |
| Locomotion            | -0,32 |    |    |   |    |    |
| Body Condition        | -0,41 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>0,06</b>  |
| 79,1 | <b>Dairy Strength</b>  | <b>2,00</b>  |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,78</b> |
| 78,0 | <b>Udder</b>           | <b>2,85</b>  |
|      | <b>SHI</b>             | <b>25,9</b>  |
|      | rank                   | 262.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>WOODMARSH METALIC-ET</b> | <b>GB305947400762</b> | <b>25.10.2004</b> | <b>SOM-029</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | GB                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 18.05.2005 |
|                   |                                   | NL           | 126757     |

### Pedigree

|                             |            |                                 |
|-----------------------------|------------|---------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MAUGHLIN STORM-ET               |
| HARTLINE TITANIC-ET         |            | CA000005457798                  |
| US000123066734              | <b>PGD</b> | DOCO LEADMAN TENACIOUS          |
| SOM-007                     |            | US000014734618                  |
| <b>Dam</b>                  | <b>MGS</b> | CAROL PRELUDE MTOTO-ET          |
| WOODMARSH MTOTO MELODY 7-ET |            | IT006001001962                  |
| GB000046702774              | <b>MGD</b> | WOODMARSH FORMATION MELODY 4-ET |
|                             |            | GB000046702457                  |

|                             |            |           |           |            |             |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>68</b> | Daug.      | <b>1507</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1141</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      | %            | Prot.      | %            |
| <b>29021</b>                |            |           |           | <b>479</b> |             | <b>6</b> | <b>-0,22</b> | <b>5</b>   | <b>-0,21</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>2,41</b>  |
|                             |            |           |           |            |             |          |              | rank       | 218.         |
|                             |            |           |           |            |             |          |              | rank       | 46.          |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>83 / 23</b> | Daug. | <b>589</b> | 81,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,76</b> |
|                  |             |       |                |       |            |      |      | rank        | 29.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,89  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,10  |    |    |   |    |    |
| Rear Legs Side View   | -0,73 |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | 1,00  |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | -1,25 |    |    |   |    |    |
| Rear Udder Height     | 0,53  |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | 0,76  |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,5 | <b>Frame</b> | <b>1,06</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,0 | <b>Dairy Strength</b> | <b>0,01</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,0 | <b>Feet &amp; Legs</b> | <b>1,98</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,1 | <b>Udder</b> | <b>1,76</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>105,0</b> |
|--|------------|--------------|

rank 80.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>MAGOR EMERGENCE-ET</b> | <b>HU003250557036</b> | <b>23.11.2005</b> | <b>MAS-018</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | HU             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 18.05.2006 |
|                   |                | HU           | 85817      |

### Pedigree

|                          |            |                            |
|--------------------------|------------|----------------------------|
| <b>Sire</b>              | <b>PGS</b> | CESAR MASCOT VALENTEIN-ET  |
| COMPOGALLO PG TRESOR-ET  |            | IT000908008098             |
| IT251099028156           | <b>PGD</b> | CAMPOGALLO F PG 324-ET     |
|                          |            | IT002503000083             |
| <b>Dam</b>               | <b>MGS</b> | REGANCREST ELTON DURHAM-ET |
| DELABERGE DURHAM LUCIOLE |            | US000002250783             |
| CA000009217393           | <b>MGD</b> | BRYHILL RUDOLPH LULU-ET    |
|                          |            | CA000006765448             |

|                             |            |           |    |            |          |              |           |            |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|-----------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug.      | 96       | Rel.         | 93 %      | <b>SPI</b> | 1296        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat      | %            | Prot.     | rank       | 189.        |
| <b>1766</b>                 |            |           |    | <b>411</b> | <b>2</b> | <b>-0,26</b> | <b>11</b> | <b>SCS</b> | <b>3,41</b> |
|                             |            |           |    |            |          |              |           | rank       | 1036.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 15 | 80,7 | Rel. | 53 % | <b>TYPE</b> | 1,76 |
|                  |             |       |       |       |    |      |      | rank | 30.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,75  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | 0,76  |    |    |   |    |    |
| Front Teat Placement  | 0,47  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | 0,96  |    |    |   |    |    |
| Rear Udder Width      | 0,69  |    |    |   |    |    |
| Central Ligament      | 0,88  |    |    |   |    |    |
| Udder Depth           | 0,81  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | 0,49  |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,2 | <b>Frame</b> | <b>0,95</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,5 | <b>Dairy Strength</b> | <b>0,63</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Feet &amp; Legs</b> | <b>-0,29</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 79,7 | <b>Udder</b> | <b>2,18</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>109,6</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>PENN-ENGLAND TEMPERATION-ET</b> | <b>US000060984935</b>             | <b>16.03.2003</b> | <b>CHP-006</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 24.05.2004     |
|                                    |                                   | US                | 17535A         |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | STARTMORE RUDOLPH-ET        |
| CALBRETT-I H H CHAMPION-ET |            | CA000005470579              |
| CA000006961162             | <b>PGD</b> | SKYS-THE-LIMIT CLAIRE-ET    |
| RUH-002                    |            | US000015386863              |
| <b>Dam</b>                 | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| REGAN-ENGLAND TERA-ET      |            | US000002290977              |
| US000207485132             | <b>MGD</b> | REGANCREST-JB PATRON TES-ET |
|                            |            | US000017301789              |

|                             |            |           |   |       |     |      |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 2 | Daug. | 25  | Rel. | 81 %  | <b>SPI</b> | -220       |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>492</b>                  |            |           |   | -146  | 3   | 0,15 | -1    | 0,07       | <b>SCS</b> |
|                             |            |           |   |       |     |      |       |            | rank       |
|                             |            |           |   |       |     |      |       |            | ...        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 1 | Daug. | 23 | 81,0 | Rel. | 67 % | <b>TYPE</b> | 1,75 |
|                  |             |       |       |       |    |      |      |      | rank        | 31.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,37  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | -0,39 |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,24  |    |    |   |    |    |
| Teat Length           | -0,24 |    |    |   |    |    |
| Rear Udder Height     | 0,73  |    |    |   |    |    |
| Rear Udder Width      | 0,89  |    |    |   |    |    |
| Central Ligament      | -0,61 |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,00  |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | -0,16 |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

83,2 **Frame** 1,43

80,3 **Dairy Strength** 0,83

82,8 **Feet & Legs** 0,44

79,2 **Udder** 1,40

**SHI** 63,2

rank 166.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>TIMLYNN ADAM-ET</b> | <b>US000017365628</b> | <b>23.04.1997</b> | <b>RUH-009</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 30.10.1997 |
|                   |                                   | USA          | IG237263A  |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | MADAWASKA AEROSTAR         |
| STARTMORE RUDOLPH-ET    |            | CA000000383622             |
| CA000005470579          | <b>PGD</b> | STARTMORE RACHELLE-ET      |
| ARS-015                 |            | CA000004324253             |
| <b>Dam</b>              | <b>MGS</b> | STARDELL VALIANT WINKEN-ET |
| TIMLYNN WINKEN APRIL-ET |            | US000001881163             |
| US000015395352          | <b>MGD</b> | MISS MELJENTA B-STAR ARPIL |
|                         |            | US000014132502             |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>55</b> | Daug.      | <b>684</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>1176</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 212.         |
| <b>14093</b>                |            |           |           | <b>451</b> |            | <b>-1</b> | <b>-0,49</b> | <b>13</b>  | <b>-0,03</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,14</b>  |
|                             |            |           |           |            |            |           |              | rank       | 722.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>53 / 19</b> | Daug. | <b>355</b> | 79,7 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>1,74</b> |
|                  |             |       |                |       |            |      |      | rank        | 32.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,39  |    |    |   |    |    |
| Angularity            | 0,81  |    |    |   |    |    |
| Chest Width           | -0,57 |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | 0,23  |    |    |   |    |    |
| Rear Legs Side View   | -0,80 |    |    |   |    |    |
| Foot Angle            | 0,19  |    |    |   |    |    |
| Fore Udder Attachment | 0,67  |    |    |   |    |    |
| Front Teat Placement  | 0,71  |    |    |   |    |    |
| Teat Length           | -1,40 |    |    |   |    |    |
| Rear Udder Height     | 0,46  |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | 0,70  |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | -0,52 |    |    |   |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   |    |    |
| Rear Teat Placement   | 1,23  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,46 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,9 | <b>Frame</b> | <b>1,19</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,6 | <b>Dairy Strength</b> | <b>1,19</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,3 | <b>Feet &amp; Legs</b> | <b>1,18</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,3 | <b>Udder</b> | <b>1,45</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>105,2</b> |
|--|------------|--------------|

rank 79.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DE-SU GILLESPIY-ET</b> | <b>US000063449626</b>      | <b>29.06.2007</b> | <b>LU-042</b>         |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | US                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 18.06.2008 |
|                          |                                   | US               | M08040620  |

### Pedigree

|                        |            |                             |         |
|------------------------|------------|-----------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | LEXVOLD LUKE HERSHEL-ET     |         |
| SANDY-VALLEY BOLTON-ET |            | US000002294436              | LU-013  |
| US000131823833         | <b>PGD</b> | SANDY-VALLEY BLESSING-ET    |         |
|                        |            | US000128824973              |         |
| <b>Dam</b>             | <b>MGS</b> | PICSTON SHOTTLE-ET          |         |
| DE-SU 6822-ET          |            | GB000000598172              | PEL-033 |
| US000061682143         | <b>MGD</b> | DE-SU BW MARSHAL GEORGIA-ET |         |
|                        |            | US000207652257              |         |

|                             |            |              |    |              |     |             |      |            |      |
|-----------------------------|------------|--------------|----|--------------|-----|-------------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 37 | <b>Daug.</b> | 801 | <b>Rel.</b> | 98 % | <b>SPI</b> | 4450 |
| <b>Number controls</b>      |            | <b>BV</b>    |    | <b>Milk</b>  |     | <b>Fat</b>  |      | <b>%</b>   |      |
| 6850                        |            |              |    | 1197         | 32  | -0,23       | 30   | -0,14      |      |
|                             |            |              |    |              |     |             |      | <b>SCS</b> | 2,23 |
|                             |            |              |    |              |     |             |      | rank       | 17.  |

|                  |             |              |         |              |     |      |             |      |             |      |
|------------------|-------------|--------------|---------|--------------|-----|------|-------------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 94 / 19 | <b>Daug.</b> | 426 | 82,5 | <b>Rel.</b> | 96 % | <b>TYPE</b> | 1,73 |
|                  |             |              |         |              |     |      |             |      | rank        | 33.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,01  |    |    |   |    |    |
| Angularity            | 0,49  |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 1,22  |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | 0,52  |    |    |   |    |    |
| Front Teat Placement  | 0,65  |    |    |   |    |    |
| Teat Length           | -0,33 |    |    |   |    |    |
| Rear Udder Height     | 1,40  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | 1,39  |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 85,8 | <b>Frame</b>           | 1,25  |
|                 | 82,1 | <b>Dairy Strength</b>  | 0,95  |
|                 | 83,4 | <b>Feet &amp; Legs</b> | 0,46  |
|                 | 80,5 | <b>Udder</b>           | 1,58  |
|                 |      | <b>SHI</b>             | 203,5 |
|                 |      | rank                   | 6.    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>SANDY-VALLEY KNIGHT-ET</b> | <b>US000062188753</b>             | <b>26.09.2006</b> | <b>BES-024</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 06.07.2007     |
|                               |                                   | US                | M07028594      |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | JOCKO BESN                  |
| APPLOUIS JET STREAM-ET      |            | FR005694028588              |
| US000130558361              | <b>PGD</b> | APPLOUIS MANFRED JULIET-ET  |
|                             |            | US000127325435              |
| <b>Dam</b>                  | <b>MGS</b> | HARTLINE TITANIC-ET         |
| SANDY-VALLEY TI TWILIGHT-ET |            | US000123066734              |
| US000135744710              | <b>MGD</b> | REGAN-ENGLAND MARSHL TES-ET |
|                             |            | US000207485123              |
|                             |            | SOM-007                     |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 255 | Rel. | 95 % | <b>SPI</b> | 1996        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| 2716                        |            |           |    | 315   | 20  | 0,14 | 16   | 0,12       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 103.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 572.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 38 / 10 | Daug. | 122 | 82,1 | Rel. | 88 % | <b>TYPE</b> | 1,73 |
|                  |             |       |         |       |     |      |      |      | rank        | 34.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,50  |    |    |   |    |    |
| Angularity            | 0,92  |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | -0,68 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | -0,80 |    |    |   |    |    |
| Foot Angle            | 0,44  |    |    |   |    |    |
| Fore Udder Attachment | 0,91  |    |    |   |    |    |
| Front Teat Placement  | 0,74  |    |    |   |    |    |
| Teat Length           | 0,73  |    |    |   |    |    |
| Rear Udder Height     | 1,24  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 2,11  |    |    |   |    |    |
| Rump Width            | -0,64 |    |    |   |    |    |
| Rear Legs Rear View   | 0,43  |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 85,9 | <b>Frame</b>           | 1,21  |
| 81,6 | <b>Dairy Strength</b>  | 0,31  |
| 83,7 | <b>Feet &amp; Legs</b> | 1,25  |
| 79,6 | <b>Udder</b>           | 1,45  |
|      | <b>SHI</b>             | 129,2 |
|      | rank                   | 42.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>MEFISTO-ET</b> | <b>DE000352239293</b> | <b>10.10.2008</b> | <b>EMY-014</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 03.02.2009     |
|                   |                       | DE                | 09/31796       |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER   |            | US000017013604              |
| US000132973942            | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                   |            | US000130227821              |
| <b>Dam</b>                | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |
| RALMA CHRISTMAS COOKIE-ET |            | US000122358313              |
| US000052357927            | <b>MGD</b> | RALMA CHRISTMAS FUDGE-ET    |
|                           |            | US000051547373              |

|                             |            |           |    |             |    |           |              |            |              |
|-----------------------------|------------|-----------|----|-------------|----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 11 | Daug.       | 70 | Rel.      | 90 %         | <b>SPI</b> | 4787         |
| Number controls             |            | <b>BV</b> |    | Milk        |    | Fat       | %            | Prot.      | %            |
| <b>1435</b>                 |            |           |    | <b>1230</b> |    | <b>42</b> | <b>-0,08</b> | <b>30</b>  | <b>-0,15</b> |
|                             |            |           |    |             |    |           |              | <b>SCS</b> | 2,83         |
|                             |            |           |    |             |    |           |              | rank       | 320.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 12 | 80,0 | Rel. | 56 % | <b>TYPE</b> | 1,68 |
|                  |             |       |       |       |    |      |      |      | rank        | 35.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,80  |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | 0,76  |    |    |   |    |    |
| Body Depth            | 1,21  |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,66 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | 0,29  |    |    |   |    |    |
| Rear Udder Height     | -0,38 |    |    |   |    |    |
| Rear Udder Width      | 0,35  |    |    |   |    |    |
| Central Ligament      | 1,09  |    |    |   |    |    |
| Udder Depth           | -1,24 |    |    |   |    |    |
| Rump Width            | 0,50  |    |    |   |    |    |
| Rear Legs Rear View   | -0,27 |    |    |   |    |    |
| Rear Teat Placement   | 0,20  |    |    |   |    |    |
| Locomotion            | 0,43  |    |    |   |    |    |
| Body Condition        | 0,44  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 86,0 | <b>Frame</b>           | 1,66  |
| 82,2 | <b>Dairy Strength</b>  | 1,51  |
| 82,8 | <b>Feet &amp; Legs</b> | 1,62  |
| 74,8 | <b>Udder</b>           | 0,43  |
|      | <b>SHI</b>             | 211,7 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>SOUTHLAND EXPLODE 7154 EXPO</b> | <b>NL000767171544</b>             | <b>21.11.2011</b> | <b>LU-043</b>  |
| Country of origin                  | NL                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 06.04.2012     |
|                                    |                                   | NL                | 408832         |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SANDY-VALLEY BOLTON-ET  |
| WABASH-WAY EXPLODE-ET      |            | US000131823833          |
| US000138905680             | <b>PGD</b> | WABASH-WAY EMILYANN-ET  |
| LU-039                     |            | US000137044405          |
| <b>Dam</b>                 | <b>MGS</b> | LONG-LANGS OMAN OMAN-ET |
| SOUTHLAND M-O-M DELLIA 181 |            | US000135746776          |
| NL000723069731             | <b>MGD</b> | SOUTHLAND DELLIA 134    |
|                            |            | NL000469566675          |

|                             |            |           |           |            |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.      | <b>497</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>952</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %            |
| <b>4969</b>                 |            |           |           | <b>206</b> |            | <b>11</b> | <b>0,05</b> | <b>6</b>   | <b>-0,02</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>2,32</b>  |
|                             |            |           |           |            |            |           |             | rank       | 255.         |
|                             |            |           |           |            |            |           |             | rank       | 30.          |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 13</b> | Daug. | <b>130</b> | 82,7 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>1,68</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 36.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,52  |    |    |   |    |    |
| Angularity            | -0,17 |    |    |   |    |    |
| Chest Width           | 0,47  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | 0,66  |    |    |   |    |    |
| Rear Legs Side View   | -0,13 |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | 0,83  |    |    |   |    |    |
| Front Teat Placement  | 1,26  |    |    |   |    |    |
| Teat Length           | -0,27 |    |    |   |    |    |
| Rear Udder Height     | 0,32  |    |    |   |    |    |
| Rear Udder Width      | -0,06 |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | 1,32  |    |    |   |    |    |
| Rump Width            | 0,69  |    |    |   |    |    |
| Rear Legs Rear View   | -0,58 |    |    |   |    |    |
| Rear Teat Placement   | 0,78  |    |    |   |    |    |
| Locomotion            | 0,09  |    |    |   |    |    |
| Body Condition        | 0,41  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 87,3 | <b>Frame</b>           | <b>2,37</b>  |
| 82,4 | <b>Dairy Strength</b>  | <b>0,28</b>  |
| 83,5 | <b>Feet &amp; Legs</b> | <b>-0,05</b> |
| 80,2 | <b>Udder</b>           | <b>1,02</b>  |
|      | <b>SHI</b>             | <b>95,8</b>  |
|      | rank                   | 93.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>VALLEYRIVER JOYBOY</b> | <b>CA000010700348</b> | <b>09.09.1999</b> | <b>ATE-010</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CA                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 15.01.2004 |
|                   |                                   | CA           | 05/41776   |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | DUREGAL ASTRE STARBUCK ET  |
| MAPEL WOOD CLIFFHANGER |            | CA000000392405             |
| CA000005858828         | <b>PGD</b> | ARNELL BLACKSTAR DEBUTANTE |
|                        |            | CA000005439097             |
| <b>Dam</b>             | <b>MGS</b> | STARTMORE RUDOLPH-ET       |
| SHOREMAR RE JOYCE-ET   |            | CA000005470579             |
| CA000006827450         | <b>MGD</b> | HORIZON JOY                |
|                        |            | CA000005156088             |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>116</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>-881</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 622.        |
| <b>2568</b>                 |            |           |           | <b>-186</b> |            | <b>-7</b> | <b>-0,02</b> | <b>SCS</b> | <b>2,59</b> |
|                             |            |           |           |             |            | <b>-6</b> | <b>-0,02</b> | rank       | 114.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 4</b> | Daug. | <b>29</b> | 79,1 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>1,67</b> |
|                  |             |       |              |       |           |      |      | rank        | 37.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,29  |    |    |   |    |    |
| Angularity            | 0,55  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | -0,06 |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | 0,91  |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | 0,53  |    |    |   |    |    |
| Rear Udder Width      | 0,74  |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | 0,77  |    |    |   |    |    |
| Rump Width            | 0,17  |    |    |   |    |    |
| Rear Legs Rear View   | 0,33  |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | 0,29  |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

|                 |      |                        |             |
|-----------------|------|------------------------|-------------|
| daught. average | 81,2 | <b>Frame</b>           | <b>0,14</b> |
|                 | 79,3 | <b>Dairy Strength</b>  | <b>1,23</b> |
|                 | 79,7 | <b>Feet &amp; Legs</b> | <b>0,62</b> |
|                 | 77,8 | <b>Udder</b>           | <b>1,79</b> |
|                 |      | <b>SHI</b>             | <b>40,3</b> |
|                 |      | rank                   | 232.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>WABASH-WAY EXPLODE-ET</b> | <b>US000138905680</b> | <b>23.12.2007</b> | <b>LU-039</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 24.06.2008 |
|                   |                                   | US           | M08040524  |

### Pedigree

|                        |            |                          |         |
|------------------------|------------|--------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | LEXVOLD LUKE HERSHEL-ET  |         |
| SANDY-VALLEY BOLTON-ET |            | US000002294436           | LU-013  |
| US000131823833         | <b>PGD</b> | SANDY-VALLEY BLESSING-ET |         |
|                        |            | US000128824973           |         |
| <b>Dam</b>             | <b>MGS</b> | PICSTON SHOTTLE-ET       |         |
| WABASH-WAY EMILYANN-ET |            | GB000000598172           | PEL-033 |
| US000137044405         | <b>MGD</b> | CROCKETT-ACRES ELITA-ET  |         |
|                        |            | US000136012191           |         |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 132 | Rel.  | 94 % | <b>SPI</b> | 1985       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 2749                        |            |           |    | 708   | 4   | -0,39 | 14   | -0,16      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 104.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 21.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 28 / 9 | Daug. | 79 | 81,7 | Rel. | 85 % | <b>TYPE</b> | 1,66 |
|                  |             |       |        |       |    |      |      |      | rank        | 38.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,83  |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | 1,29  |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 1,23  |    |    |   |    |    |
| Front Teat Placement  | 1,13  |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | 0,75  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | 2,01  |    |    |   |    |    |
| Rump Width            | 0,76  |    |    |   |    |    |
| Rear Legs Rear View   | -0,07 |    |    |   |    |    |
| Rear Teat Placement   | 0,82  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 86,8 | <b>Frame</b>           | 2,42  |
|                 | 81,9 | <b>Dairy Strength</b>  | 0,50  |
|                 | 81,8 | <b>Feet &amp; Legs</b> | -0,28 |
|                 | 79,1 | <b>Udder</b>           | 1,15  |
|                 |      | <b>SHI</b>             | 126,1 |
|                 |      | rank                   | 48.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>SANDY-VALLEY ANDERSON-ET</b> | <b>US000066019452</b> | <b>15.12.2008</b> | <b>EMY-017</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.08.2009 |
|                   |                | CA           | DC238758   |

### Pedigree

|                             |            |                             |         |
|-----------------------------|------------|-----------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |         |
| VELVET-VIEW-KJ SOCRATES-ET  |            | US000017013604              |         |
| US000133126053              | <b>PGD</b> | SHER-EST PRELUDE SWEET-ET   |         |
|                             |            | US000015421158              |         |
| <b>Dam</b>                  | <b>MGS</b> | PICSTON SHOTTLE-ET          |         |
| SANDY-VALLEY SHOT ALOSHI-ET |            | GB000000598172              | PEL-033 |
| US000062188880              | <b>MGD</b> | SANDY-VALLEY CHAMP ALICE-ET |         |
|                             |            | US000134408396              |         |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.      | <b>279</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>-170</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 460.        |
| <b>5234</b>                 |            |           |           | <b>-24</b> |            | <b>7</b>  | <b>0,14</b>  | <b>SCS</b> | <b>2,15</b> |
|                             |            |           |           |            |            | <b>-5</b> | <b>-0,10</b> | rank       | 13.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 3</b> | Daug. | <b>57</b> | 80,6 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>1,65</b> |
|                  |             |       |               |       |           |      |      | rank        | 39.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,79  |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 1,61  |    |    |   |    |    |
| Front Teat Placement  | 0,14  |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | 0,69  |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | 0,22  |    |    |   |    |    |
| Udder Depth           | 1,76  |    |    |   |    |    |
| Rump Width            | -0,67 |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | 0,49  |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,6 | <b>Frame</b>           | <b>0,76</b> |
| 81,4 | <b>Dairy Strength</b>  | <b>0,90</b> |
| 81,4 | <b>Feet &amp; Legs</b> | <b>0,91</b> |
| 77,6 | <b>Udder</b>           | <b>1,39</b> |
|      | <b>SHI</b>             | <b>60,8</b> |
|      | rank                   | 176.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DIXIE-LEE AARON-ET</b> | <b>US000002265005</b>      | <b>23.09.1994</b> | <b>LU-009</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.04.1995 |
|                   |                                   | USA          | IG209136A  |

### Pedigree

|                              |                |                               |
|------------------------------|----------------|-------------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS     |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                       |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET   |
| CLE-005                      | US000012365669 |                               |
| <b>Dam</b>                   | <b>MGS</b>     | SINGING-BROOK N-BOY MASCOT-ET |
| DIXIE-LEE ASPEN-ET           | US000002020049 | NBY-011                       |
| US000014889171               | <b>MGD</b>     | PATRICK-ORCHARD MW ABBIE-ET   |
|                              | US000014432720 |                               |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 521 | Rel.  | 99 % | <b>SPI</b> | 336         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| <b>10614</b>                |            |           |    | 195   | -8  | -0,29 | 4    | -0,04      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 359.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 907.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 58 / 22 | Daug. | 350 | 79,5 | Rel. | 96 % | <b>TYPE</b> | 1,65 |
|                  |             |       |         |       |     |      |      |      | rank        | 40.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | -0,76 |    |    |   |    |    |
| Rump Angle            | -0,16 |    |    |   |    |    |
| Rear Legs Side View   | -1,06 |    |    |   |    |    |
| Foot Angle            | 0,64  |    |    |   |    |    |
| Fore Udder Attachment | 0,75  |    |    |   |    |    |
| Front Teat Placement  | 0,93  |    |    |   |    |    |
| Teat Length           | 0,23  |    |    |   |    |    |
| Rear Udder Height     | 0,62  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 1,31  |    |    |   |    |    |
| Udder Depth           | 1,42  |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | 1,21  |    |    |   |    |    |
| Rear Teat Placement   | 1,61  |    |    |   |    |    |
| Locomotion            | 0,71  |    |    |   |    |    |
| Body Condition        | -0,51 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 82,1 | <b>Frame</b>           | <b>0,41</b> |
| 79,0 | <b>Dairy Strength</b>  | <b>0,07</b> |
| 79,9 | <b>Feet &amp; Legs</b> | <b>3,06</b> |
| 78,2 | <b>Udder</b>           | <b>1,74</b> |
|      | <b>SHI</b>             | <b>75,9</b> |
|      | rank                   | 136.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>LADYS-MANOR WISDOM-ET</b> | <b>US000133806557</b> | <b>02.01.2003</b> | <b>FOM-007</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.06.2003 |
|                   |                                   | USA          | 12574A     |

### Pedigree

|                       |                |                             |
|-----------------------|----------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET      | US000002163822 | LAD-009                     |
| US000017349617        | <b>PGD</b>     | CRACIN AEROSTAR MELISSA     |
| FOM-004               | US000015172400 |                             |
| <b>Dam</b>            | <b>MGS</b>     | LADYS-MANOR WINCHESTER-ET   |
| LADYS-MANOR WYNONA-ET | US000002205082 |                             |
| US000123508757        | <b>MGD</b>     | LADYS-MANOR TEMPTIOUS-ET    |
|                       | US000015638662 |                             |

|                             |            |           |           |            |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>95</b> | Rel.      | <b>92 %</b> | <b>SPI</b> | <b>754</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |             | rank       | 289.        |
| <b>1675</b>                 |            |           |           | <b>-34</b> |           | <b>20</b> | <b>0,40</b> | <b>SCS</b> | <b>3,17</b> |
|                             |            |           |           |            |           | <b>4</b>  | <b>0,10</b> | rank       | 766.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 10</b> | Daug. | <b>21</b> | 79,7 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>1,64</b> |
|                  |             |       |                |       |           |      |      | rank        | 41.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,50  |    |    |   |    |    |
| Angularity            | 0,82  |    |    |   |    |    |
| Chest Width           | 0,24  |    |    |   |    |    |
| Body Depth            | 0,87  |    |    |   |    |    |
| Rump Angle            | -0,86 |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | 0,56  |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | 0,71  |    |    |   |    |    |
| Teat Length           | -0,65 |    |    |   |    |    |
| Rear Udder Height     | 0,57  |    |    |   |    |    |
| Rear Udder Width      | 0,29  |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | 0,23  |    |    |   |    |    |
| Rump Width            | 0,34  |    |    |   |    |    |
| Rear Legs Rear View   | -0,30 |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | 0,52  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,1 | <b>Frame</b> | <b>0,79</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,8 | <b>Dairy Strength</b> | <b>2,55</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,6 | <b>Feet &amp; Legs</b> | <b>0,53</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,4 | <b>Udder</b> | <b>0,82</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>88,5</b> |
|--|------------|-------------|

rank 107.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>ALOBER AUDINI</b> | <b>CA000102155912</b> | <b>28.05.2003</b> | <b>EMY-010</b> |
| Country of origin    | CA                    | <b>Breed</b>      | H100           |
| Distributor          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                      |                       | Paternity         | 07.05.2004     |
|                      |                       | CA                | DC117723       |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | MJR BLACKSTAR EMORY-ET      |
| CANYON-BREEZE ALLEN-ET |            | US000002114601              |
| US000017129288         | <b>PGD</b> | CANYON-BREEZE WST AMBER-ET  |
|                        |            | US000014706235              |
| <b>Dam</b>             | <b>MGS</b> | SHEN-VAL NV LM FORMATION-ET |
| GRYPHGEN ALEXA-ET      |            | US000002163822 LAD-009      |
| CA000010723154         | <b>MGD</b> | ALTAGEN PRELUDE ANGIE-ET    |
|                        |            | CA000006066507              |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>155</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1265</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 197.        |
| <b>2978</b>                 |            |           |           | <b>252</b> |            | <b>16</b> | <b>0,09</b> | <b>SCS</b> | <b>2,74</b> |
|                             |            |           |           |            |            |           |             | rank       | 219.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>65</b> | 81,0 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>1,63</b> |
|                  |             |       |               |       |           |      |      | rank        | 42.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,41  |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | 0,78  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,03  |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | 0,52  |    |    |   |    |    |
| Teat Length           | -0,07 |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,21  |    |    |   |    |    |
| Udder Depth           | 1,01  |    |    |   |    |    |
| Rump Width            | 0,70  |    |    |   |    |    |
| Rear Legs Rear View   | -0,36 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

87,0 **Frame** **2,32**

82,1 **Dairy Strength** **2,02**

81,1 **Feet & Legs** **0,07**

77,5 **Udder** **0,33**

**SHI** **103,5**

rank 84.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>STOUDER MORTY-ET</b> | <b>US000017349617</b> | <b>25.05.1997</b> | <b>FOM-004</b> |
| Country of origin       | US                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 27.02.1998     |
|                         |                       | CAN               | BT412559       |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                    |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY          |
| LAD-009                     | US000013008118 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | MADAWASKA AEROSTAR         |
| CRACIN AEROSTAR MELISSA     | CA000000383622 | STB-011                    |
| US000015172400              | <b>MGD</b>     | CRACIN BLACKSTAR MARISSA   |
|                             | US000014502186 |                            |

|                             |            |           |           |          |           |           |              |            |              |
|-----------------------------|------------|-----------|-----------|----------|-----------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>10</b> | Daug.    | <b>37</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>-492</b>  |
| Number controls             |            | <b>BV</b> |           | Milk     |           | Fat       | %            | Prot.      | %            |
| <b>729</b>                  |            |           |           | <b>4</b> |           | <b>-4</b> | <b>-0,10</b> | <b>-6</b>  | <b>-0,14</b> |
|                             |            |           |           |          |           |           |              | <b>SCS</b> | <b>3,17</b>  |
|                             |            |           |           |          |           |           |              | rank       | 530.         |
|                             |            |           |           |          |           |           |              | rank       | 764.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>18</b> | 79,9 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>1,63</b> |
|                  |             |       |              |       |           |      |      | rank        | 43.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | 0,17  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | -0,35 |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 1,21  |    |    |   |    |    |
| Teat Length           | -0,19 |    |    |   |    |    |
| Rear Udder Height     | 0,87  |    |    |   |    |    |
| Rear Udder Width      | 1,02  |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,6 | <b>Frame</b>           | <b>0,89</b> |
| 80,2 | <b>Dairy Strength</b>  | <b>1,47</b> |
| 78,7 | <b>Feet &amp; Legs</b> | <b>0,19</b> |
| 79,6 | <b>Udder</b>           | <b>1,49</b> |
|      | <b>SHI</b>             | <b>50,5</b> |
|      | rank                   | 204.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>PURSUIT SEPTEMBER STORM-ET</b> | <b>CA000006820564</b> | <b>03.09.1997</b> | <b>SOM-024</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 10.10.2006 |
|                   |                | CA           | DC5486     |

### Pedigree

|                          |            |                           |         |
|--------------------------|------------|---------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| MAUGHLIN STORM-ET        |            | CA000000383622            | STB-011 |
| CA000005457798           | <b>PGD</b> | WYKHOLME DEWDROP TACY-ET  |         |
|                          |            | CA000004467150            |         |
| <b>Dam</b>               | <b>MGS</b> | DUREGAL ASTRE STARBUCK ET |         |
| GLEN DRUMMOND SHIMMER-ET |            | CA000000392405            | STB-015 |
| CA000006185591           | <b>MGD</b> | GLEN DRUMMOND SHOWER-ET   |         |
|                          |            | CA000004849914            |         |

|                             |            |           |    |       |    |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 10 | Daug. | 63 | Rel. | 92 % | <b>SPI</b> | -375        |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %           |
| 1267                        |            |           |    | -10   | 7  | 0,19 | -7   | -0,08      | <b>SCS</b>  |
|                             |            |           |    |       |    |      |      |            | rank        |
|                             |            |           |    |       |    |      |      |            | 500.        |
|                             |            |           |    |       |    |      |      |            | <b>rank</b> |
|                             |            |           |    |       |    |      |      |            | 76.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 15 | 79,7 | Rel. | 69 % | <b>TYPE</b> | 1,62 |
|                  |             |       |       |       |    |      |      |      | rank        | 44.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,02  |    |    |   |    |    |
| Angularity            | 0,41  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,62 |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | 0,19  |    |    |   |    |    |
| Front Teat Placement  | -0,01 |    |    |   |    |    |
| Teat Length           | -0,66 |    |    |   |    |    |
| Rear Udder Height     | 0,48  |    |    |   |    |    |
| Rear Udder Width      | 0,64  |    |    |   |    |    |
| Central Ligament      | 0,20  |    |    |   |    |    |
| Udder Depth           | 0,37  |    |    |   |    |    |
| Rump Width            | 0,06  |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | 0,16  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 84,2 | <b>Frame</b>           | 1,56 |
|                 | 79,7 | <b>Dairy Strength</b>  | 1,35 |
|                 | 80,1 | <b>Feet &amp; Legs</b> | 0,81 |
|                 | 77,2 | <b>Udder</b>           | 1,19 |
|                 |      | <b>SHI</b>             | 53,5 |
|                 |      | rank                   | 194. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>AGROCONTRACT DYNAMITE ERIK</b> | <b>SK000801096777</b>             | <b>30.12.2009</b> | <b>LAB-006</b> |
| Country of origin                 | SK                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 09.06.2010     |
|                                   |                                   | SK                | 0464/11        |

### Pedigree

|                            |            |                         |         |
|----------------------------|------------|-------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | WELCOME GARTER-ET       |         |
| OH-RYAN GARTER DYNAMITE-ET |            | US000017131025          | LAB-002 |
| US000133381795             | <b>PGD</b> | KINBUR STORMY DELLA-ET  |         |
| LAB-004                    |            | US000122162633          |         |
| <b>Dam</b>                 | <b>MGS</b> | SILDAHL BW DUTCH BOY-ET |         |
| SK000800166521             |            | US000017058140          | BW-016  |
|                            | <b>MGD</b> | SK000511454609          |         |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 54 | Daug. | 757 | Rel.  | 99 % | <b>SPI</b> | -97  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %    |
| 11736                       |            |           |    | 457   | -18 | -0,62 | -4   | -0,37      |      |
|                             |            |           |    |       |     |       |      | <b>SCS</b> | 3,11 |
|                             |            |           |    |       |     |       |      | rank       | 448. |
|                             |            |           |    |       |     |       |      | rank       | 678. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 99 / 19 | Daug. | 401 | 82,1 | Rel. | 96 % | <b>TYPE</b> | 1,61 |
|                  |             |       |         |       |     |      |      |      | rank        | 45.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | -0,91 |    |    |   |    |    |
| Foot Angle            | 0,58  |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 1,56  |    |    |   |    |    |
| Rear Udder Height     | 0,78  |    |    |   |    |    |
| Rear Udder Width      | 0,57  |    |    |   |    |    |
| Central Ligament      | 0,95  |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,31  |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 85,1 | <b>Frame</b>           | 0,77 |
| 81,5 | <b>Dairy Strength</b>  | 0,26 |
| 84,2 | <b>Feet &amp; Legs</b> | 2,00 |
| 79,9 | <b>Udder</b>           | 1,49 |
|      | <b>SHI</b>             | 61,5 |
|      | rank                   | 174. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SMITHDEN ADMIRAL-ET</b> | <b>CA000007925701</b> | <b>19.06.2006</b> | <b>GAD-019</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 12.01.2007 |
|                   |                | CA           | DC175873   |

### Pedigree

|                          |            |                         |
|--------------------------|------------|-------------------------|
| <b>Sire</b>              | <b>PGS</b> | SHOREMAR JAMES          |
| BRAEDALE GOLDWYN-ET      |            | CA000005902195          |
| CA000010705608           | <b>PGD</b> | BRAEDALE BALER TWINE-ET |
| GAD-002                  |            | CA000006860888          |
| <b>Dam</b>               | <b>MGS</b> | CANYON-BREEZE ALLEN-ET  |
| SMITHDEN ALLEN ALISON-ET |            | US000017129288          |
| CA000009406028           | <b>MGD</b> | SMITHDEN RUDOLPH LANA   |
|                          |            | CA000006977768          |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>11</b> | Daug.      | <b>150</b> | Rel.      | <b>92 %</b> | <b>SPI</b> | <b>1227</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %           |
| <b>1367</b>                 |            |           |           | <b>114</b> |            | <b>24</b> | <b>0,35</b> | <b>6</b>   | <b>0,06</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>2,95</b> |
|                             |            |           |           |            |            |           |             | rank       | 461.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 4</b> | Daug. | <b>57</b> | 81,6 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>1,61</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 46.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,54  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | -0,19 |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | 0,50  |    |    |   |    |    |
| Front Teat Placement  | 0,75  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | 0,83  |    |    |   |    |    |
| Rear Udder Width      | 0,46  |    |    |   |    |    |
| Central Ligament      | 0,41  |    |    |   |    |    |
| Udder Depth           | 0,55  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,3 | <b>Frame</b> | <b>0,72</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 82,4 | <b>Dairy Strength</b> | <b>0,61</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 82,5 | <b>Feet &amp; Legs</b> | <b>-0,17</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 79,5 | <b>Udder</b> | <b>2,17</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>101,3</b> |
|--|------------|--------------|

rank 86.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>WALHOWDON MARSHALL HARRY-ET</b> | <b>US000060083723</b>             | <b>26.12.2000</b> | <b>BW-025</b>  |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 23.03.2005     |
|                                    |                                   | US                | HU2004001907   |

### Pedigree

|                             |                |                          |
|-----------------------------|----------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET   |
| MARA-THON BW MARSHALL-ET TV | US000002103297 | MEW-004                  |
| US000002290977              | <b>PGD</b>     | MORGAN VALLEY ELTON MARA |
|                             | US000014840387 |                          |
| <b>Dam</b>                  | <b>MGS</b>     | ETAZON CELSIUS-ET        |
| WALHOWDON CELSIUS DANIELLE  | NL000460508522 |                          |
| US000017320831              | <b>MGD</b>     | WALHOWDON GRAND BRIER    |
|                             | US000015755403 |                          |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.      | <b>1363</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2460</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 65.         |
| <b>25725</b>                |            |           |           | <b>657</b> |             | <b>10</b> | <b>-0,26</b> | <b>SCS</b> | <b>3,21</b> |
|                             |            |           |           |            |             | <b>20</b> | <b>-0,02</b> | rank       | 805.        |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>111 / 21</b> | Daug. | <b>711</b> | 80,2 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>1,60</b> |
|                  |             |       |                 |       |            |      |      | rank        | 47.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,11  |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | 0,28  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,33  |    |    |   |    |    |
| Rear Legs Side View   | -0,49 |    |    |   |    |    |
| Foot Angle            | 0,71  |    |    |   |    |    |
| Fore Udder Attachment | 1,10  |    |    |   |    |    |
| Front Teat Placement  | 0,28  |    |    |   |    |    |
| Teat Length           | 1,68  |    |    |   |    |    |
| Rear Udder Height     | 0,31  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | -0,17 |    |    |   |    |    |
| Udder Depth           | 0,55  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,12  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,0 | <b>Frame</b>           | <b>1,51</b>  |
| 80,1 | <b>Dairy Strength</b>  | <b>0,65</b>  |
| 80,2 | <b>Feet &amp; Legs</b> | <b>1,58</b>  |
| 78,3 | <b>Udder</b>           | <b>1,01</b>  |
|      | <b>SHI</b>             | <b>138,4</b> |
|      | rank                   | 32.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                    |                            |                   |                       |
|--------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>   | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>GILGAMES-ET</b> | <b>CZ000114427761</b>      | <b>30.05.2002</b> | <b>LU-024</b>         |
| Country of origin  | CZ                         | <b>Breed</b>      | H100                  |
| Distributor        | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                    |                            | Paternity         | 24.09.2002            |
|                    |                            | CSK               | 119402                |

### Pedigree

|                         |                |                              |
|-------------------------|----------------|------------------------------|
| <b>Sire</b>             | <b>PGS</b>     | NORRIELAKE CLEITUS LUKE-TWIN |
| LEXVOLD LUKE HERSHEL-ET | US000002071864 | CLE-005                      |
| US000002294436          | <b>PGD</b>     | LEXVOLD MASCOT HILARY-ET     |
| LU-013                  | US000014854001 |                              |
| <b>Dam</b>              | <b>MGS</b>     | DELTA CLEITUS JABOT          |
| MISS JABOT JWFL NEDA-ET | NL000316419721 |                              |
| US000015806793          | <b>MGD</b>     | MISS PRELUDE JWFL NELDA-ET   |
|                         | US000015153014 |                              |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 21 | Daug. | 104 | Rel.  | 93 % | <b>SPI</b> | 492  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 329. |
| <b>2080</b>                 |            |           |    | 220   | 8   | -0,03 | -0   | <b>SCS</b> | 2,92 |
|                             |            |           |    |       |     |       |      | rank       | 416. |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 19 | 78,4 | Rel. | 62 % | <b>TYPE</b> | 1,60 |
|                  |             |       |       |       |    |      |      | rank | 48.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,23  |    |    |   |    |    |
| Angularity            | 0,80  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | 0,17  |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | 0,83  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | -0,20 |    |    |   |    |    |
| Rear Udder Height     | 0,90  |    |    |   |    |    |
| Rear Udder Width      | 0,85  |    |    |   |    |    |
| Central Ligament      | -0,17 |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | 1,05  |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 81,1 | <b>Frame</b>           | 0,32 |
| 79,9 | <b>Dairy Strength</b>  | 1,90 |
| 79,0 | <b>Feet &amp; Legs</b> | 2,28 |
| 76,0 | <b>Udder</b>           | 0,69 |
|      | <b>SHI</b>             | 78,8 |
|      | rank                   | ...  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LUCKY-LEU</b>  | <b>NL000230083729</b>             | <b>08.11.1998</b> | <b>LEO-001</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 06.01.1999     |
|                   |                                   | DEU               | 99/156         |

### Pedigree

|                      |            |                              |
|----------------------|------------|------------------------------|
| <b>Sire</b>          | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| FRANKENHOF LUCKY LEO |            | US000001920807               |
| NL000777133097       | <b>PGD</b> | LENORA 2                     |
|                      |            | NL000509257011               |
| <b>Dam</b>           | <b>MGS</b> | DELTA CLEITUS JABOT          |
| JK EDER EUGENIE      |            | NL000316419721               |
| NL000147426064       | <b>MGD</b> | DELTA EUGENIE                |
|                      |            | NL000031894607               |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>53</b> | Daug.      | <b>123</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1135</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 219.        |
| <b>2594</b>                 |            |           |           | <b>-87</b> |            | <b>34</b> | <b>0,70</b> | <b>SCS</b> | <b>3,01</b> |
|                             |            |           |           |            |            | <b>5</b>  | <b>0,17</b> | rank       | 553.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 11</b> | Daug. | <b>32</b> | 78,3 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>1,60</b> |
|                  |             |       |                |       |           |      |      | rank        | 49.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,87  |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | 1,03  |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | 0,32  |    |    |   |    |    |
| Rear Legs Side View   | -0,74 |    |    |   |    |    |
| Foot Angle            | 0,51  |    |    |   |    |    |
| Fore Udder Attachment | 0,66  |    |    |   |    |    |
| Front Teat Placement  | 0,38  |    |    |   |    |    |
| Teat Length           | -0,60 |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | 0,85  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | 0,30  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | 0,44  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,0 | <b>Frame</b> | <b>1,68</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,7 | <b>Dairy Strength</b> | <b>0,87</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,3 | <b>Feet &amp; Legs</b> | <b>1,08</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,3 | <b>Udder</b> | <b>0,83</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>98,1</b> |
|--|------------|-------------|

rank 89.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>LORKA COGNAC RED-ET</b> | <b>CA000104980395</b> | <b>30.10.2007</b> | <b>BS-062</b>  |
| Country of origin          | CA                    | <b>Breed</b>      | R100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 23.01.2008     |
|                            |                       | CA                | DC199855       |

### Pedigree

|                     |            |                         |
|---------------------|------------|-------------------------|
| <b>Sire</b>         | <b>PGS</b> | MARKIM THUNDER          |
| DUDOC MR BURNS-ET   |            | US000017144785          |
| CA000100745543      | <b>PGD</b> | GRANDUC MAGGIE STORM-ET |
| BS-047              |            | CA000006873895          |
| <b>Dam</b>          | <b>MGS</b> | GEN-I-BEQ SALTO-ET      |
| LORKA SALTO ROSA-ET |            | CA000009243546          |
| CA000103127003      | <b>MGD</b> | DUDOC JLT PONTAGE-ET    |
|                     |            | CA000009286558          |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 137 | Rel.     | 91 %         | <b>SPI</b> | 1102         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | rank       | 226.         |
| <b>1320</b>                 |            |           |    | <b>287</b> |     | <b>6</b> | <b>-0,10</b> | <b>8</b>   | <b>-0,02</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | <b>2,41</b>  |
|                             |            |           |    |            |     |          |              | rank       | 44.          |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 3 | Daug. | 36 | 81,9 | Rel. | 70 % | <b>TYPE</b> | 1,59 |
|                  |             |       |       |       |    |      |      | rank | 50.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,19  |    |    |   |    |    |
| Angularity            | 0,70  |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,69  |    |    |   |    |    |
| Rump Angle            | -0,61 |    |    |   |    |    |
| Rear Legs Side View   | -0,25 |    |    |   |    |    |
| Foot Angle            | 0,53  |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | 0,68  |    |    |   |    |    |
| Teat Length           | -1,09 |    |    |   |    |    |
| Rear Udder Height     | 0,21  |    |    |   |    |    |
| Rear Udder Width      | 0,80  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | -0,02 |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 85,8 | <b>Frame</b>           | <b>1,75</b> |
| 84,1 | <b>Dairy Strength</b>  | <b>1,96</b> |
| 82,8 | <b>Feet &amp; Legs</b> | <b>0,50</b> |
| 78,8 | <b>Udder</b>           | <b>0,54</b> |
|      | <b>SHI</b>             | <b>96,7</b> |
|      | rank                   | 91.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                         |                            |                |                   |            |                       |         |
|--------------------------|-------------------------|----------------------------|----------------|-------------------|------------|-----------------------|---------|
| <b>Bull name</b>         | REGANCREST-LH MODEST-ET | <b>Registration number</b> | US000207124561 | <b>Birth date</b> | 14.09.1999 | <b>State Register</b> | ELN-010 |
| <b>Country of origin</b> | US                      | <b>Breed</b>               | H100           |                   |            |                       |         |
| <b>Distributor</b>       | INSEMAS s.r.o.          | <b>Herdbook</b>            | HA             |                   |            |                       |         |
| <b>Pedigree</b>          |                         | <b>Paternity</b>           | 16.02.2001     |                   |            |                       |         |
|                          |                         | <b>CAN</b>                 | BTIG265411A    |                   |            |                       |         |

|             |   |            |   |
|-------------|---|------------|---|
| <b>Sire</b> | REGANCREST ELTON DURHAM-ET<br>US000002250783  | <b>PGS</b> | EMPRISE BELL ELTON<br>US000001912270        |
|             |   | <b>PGD</b> | SNOW-N DENISES DELLIA<br>US000012895802     |
| <b>Dam</b>  | MEADOW BRIDGE AERO MISSY-ET<br>CA000005940575 | <b>MGS</b> | MADAWASKA AEROSTAR<br>CA000000383622        |
|             |   | <b>MGD</b> | MEADOW BRIDGE MISCHIEF-ET<br>CA000004466380 |

|                             |            |              |    |              |       |             |      |            |       |
|-----------------------------|------------|--------------|----|--------------|-------|-------------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 10 | <b>Daug.</b> | 44    | <b>Rel.</b> | 87 % | <b>SPI</b> | 657   |
| <b>Number controls</b>      | 813        | <b>BV</b>    |    | <b>Milk</b>  | 205   | <b>Fat</b>  | 5    | <b>%</b>   | -0,07 |
|                             |            | <b>Prot.</b> | 4  | <b>%</b>     | -0,06 | <b>rank</b> | 309. |            |       |
|                             |            | <b>SCS</b>   |    |              | 3,12  | <b>rank</b> | 690. |            |       |

|                  |             |              |       |              |    |      |             |      |             |      |
|------------------|-------------|--------------|-------|--------------|----|------|-------------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 7 / 3 | <b>Daug.</b> | 12 | 80,4 | <b>Rel.</b> | 55 % | <b>TYPE</b> | 1,58 |
|                  |             | <b>rank</b>  | 51.   |              |    |      |             |      |             |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,37  |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | 0,86  |    |    |   |    |    |
| Body Depth            | 0,71  |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | -0,05 |    |    |   |    |    |
| Foot Angle            | -0,05 |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | -0,30 |    |    |   |    |    |
| Teat Length           | 0,69  |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | -0,32 |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | 0,73  |    |    |   |    |    |
| Rump Width            | 1,00  |    |    |   |    |    |
| Rear Legs Rear View   | -0,25 |    |    |   |    |    |
| Rear Teat Placement   | 0,45  |    |    |   |    |    |
| Locomotion            | 0,54  |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

|                        |      |                        |      |
|------------------------|------|------------------------|------|
| <b>daught. average</b> | 86,2 | <b>Frame</b>           | 2,32 |
|                        | 82,1 | <b>Dairy Strength</b>  | 1,80 |
|                        | 80,3 | <b>Feet &amp; Legs</b> | 1,00 |
|                        | 77,0 | <b>Udder</b>           | 0,21 |
|                        |      | <b>SHI</b>             | 83,0 |
| <b>rank</b>            | ...  |                        |      |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ALNA SUPERNOVA RED-ET</b> | <b>CA000106249562</b>      | <b>03.08.2010</b> | <b>GSE-001</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.09.2010 |
|                   |                | CA           | DC263483   |

### Pedigree

|                            |            |                            |         |
|----------------------------|------------|----------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | DUDOC MR BURNS-ET          |         |
| SCHILLVIEW GLADSTONE-ET    |            | CA000100745543             | BS-047  |
| US000065334985             | <b>PGD</b> | SCHILLVIEW OMAN GLISTEN-ET |         |
|                            |            | US000052805706             |         |
| <b>Dam</b>                 | <b>MGS</b> | BRAEDALE GOLDWYN-ET        |         |
| GEN-I-BEQ GOLDWYN STORY-ET |            | CA000010705608             | GAD-002 |
| CA000103939451             | <b>MGD</b> | GLEN DRUMMOND SPLENDOR-ET  |         |
|                            |            | CA000006847680             |         |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 36 | Daug. | 405 | Rel. | 96 % | <b>SPI</b> | 1353        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| 3273                        |            |           |    | 251   | 16  | 0,10 | 9    | 0,02       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 177.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 694.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 5 | Daug. | 19 | 82,3 | Rel. | 54 % | <b>TYPE</b> | 1,56 |
|                  |             |       |       |       |    |      |      |      | rank        | 52.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,01  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,46  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,53  |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,68  |    |    |   |    |    |
| Front Teat Placement  | 0,54  |    |    |   |    |    |
| Teat Length           | -0,53 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,41 |    |    |   |    |    |
| Udder Depth           | 1,12  |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | 0,53  |    |    |   |    |    |
| Rear Teat Placement   | 0,51  |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 85,9 | <b>Frame</b>           | 1,53  |
|                 | 82,7 | <b>Dairy Strength</b>  | 0,30  |
|                 | 83,6 | <b>Feet &amp; Legs</b> | 0,55  |
|                 | 79,6 | <b>Udder</b>           | 1,31  |
|                 |      | <b>SHI</b>             | 103,1 |
|                 |      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>DKR NIAGRA ALBEN-ET</b> | <b>FR001445852791</b>             | <b>15.03.2011</b> | <b>AML-006</b> |
| Country of origin          | FR                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 07.11.2011     |
|                            |                                   | FR                | 1445852791     |

### Pedigree

**Sire** \_\_\_\_\_ **PGS** END-ROAD PVF BOLIVER-ET  
RI-VAL-RE 2338 NIAGRA-ET  
US000062067753  
US000062067753  
**PGD** RI-VAL-RE JESTHER NILLIE-ET  
US000060403538

**Dam** \_\_\_\_\_ **MGS** BRAEDALE GOLDWYN-ET  
ALLYNDALE-I GOLDWYN ALBANY-ET  
CA000008956395  
CA000010705608 **GAD-002**  
**MGD** MD-DELIGHT DURHAM ATLEE-ET  
US000131704103

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>52</b> | Daug.      | <b>770</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>2150</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 84.         |
| <b>7658</b>                 |            |           |           | <b>464</b> |            | <b>13</b> | <b>-0,09</b> | <b>18</b>  | <b>0,06</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,07</b> |
|                             |            |           |           |            |            |           |              | rank       | 621.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 10</b> | Daug. | <b>109</b> | 81,9 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>1,56</b> |
|                  |             |       |                |       |            |      |      | rank        | 53.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,25  |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | -0,95 |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,94  |    |    |   |    |    |
| Front Teat Placement  | 0,36  |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,42  |    |    |   |    |    |
| Rear Udder Width      | -0,24 |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | 1,14  |    |    |   |    |    |
| Rump Width            | -0,04 |    |    |   |    |    |
| Rear Legs Rear View   | 1,11  |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | 0,65  |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

85,1 **Frame** **0,72**

81,7 **Dairy Strength** **0,43**

83,7 **Feet & Legs** **2,16**

79,4 **Udder** **1,01**

**SHI** **127,1**

rank 46.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>DE-SU 11236 BALISTO-ET</b> | <b>US000070625988</b>             | <b>25.03.2012</b> | <b>BKM-001</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 11.01.2013     |
|                               |                                   | US                | M12090989      |

### Pedigree

|                     |                |                             |
|---------------------|----------------|-----------------------------|
| <b>Sire</b>         | <b>PGS</b>     | ENSENADA TABOO PLANET-ET    |
| DE-SU 521 BOOKEM-ET | US000060597003 | BS-050                      |
| US000066636657      | <b>PGD</b>     | CLEAR-ECHO 822 RAMO 1199-ET |
| BS-064              | US000061765027 |                             |
| <b>Dam</b>          | <b>MGS</b>     | DE-SU WATSON                |
| DE-SU 199-ET        | US000064700377 |                             |
| US000069490353      | <b>MGD</b>     | PINE-TREE MISSY MIRANDA-ET  |
|                     | US000061733095 |                             |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 225 | Rel. | 94 % | <b>SPI</b> | 6001 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| 1425                        |            |           |    | 910   |     | 55   | 0,32 | 50         | 0,41 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,26 |
|                             |            |           |    |       |     |      |      | rank       | 1.   |
|                             |            |           |    |       |     |      |      | rank       | 20.  |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 40 / 10 | Daug. | 169 | 82,8 | Rel. | 91 % | <b>TYPE</b> | 1,55 |
|                  |             |       |         |       |     |      |      |      | rank        | 54.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,05  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | 0,31  |    |    |   |    |    |
| Rump Angle            | -0,56 |    |    |   |    |    |
| Rear Legs Side View   | 0,09  |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | 0,70  |    |    |   |    |    |
| Front Teat Placement  | 0,78  |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | 0,78  |    |    |   |    |    |
| Rear Udder Width      | 0,66  |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | 1,09  |    |    |   |    |    |
| Rump Width            | -0,06 |    |    |   |    |    |
| Rear Legs Rear View   | 0,63  |    |    |   |    |    |
| Rear Teat Placement   | -0,42 |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 85,8 | <b>Frame</b>           | 1,21  |
| 81,6 | <b>Dairy Strength</b>  | 0,02  |
| 84,4 | <b>Feet &amp; Legs</b> | 1,25  |
| 81,1 | <b>Udder</b>           | 1,36  |
|      | <b>SHI</b>             | 243,1 |
|      | rank                   | 1.    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>RANG ECOSSAIS KILT-ET</b> | <b>CA000006409330</b> | <b>23.04.1995</b> | <b>LET-001</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 09.11.1995 |
|                   |                | CAN          | BT361511   |

### Pedigree

|                           |            |                            |         |
|---------------------------|------------|----------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | HANOVERHILL STARBUCK       |         |
| HANOVERHILL LIEUTENANT    |            | CA000000352790             |         |
| CA000000400665            | <b>PGD</b> | HANOVERHILL CHIEF T LULU   |         |
| STB-012                   |            | CA000004100574             |         |
| <b>Dam</b>                | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |         |
| LAKE-HOME LEADMAN CHANTEL |            | US000001983348             | TDN-004 |
| US000014279479            | <b>MGD</b> | LAKE-HOME STARBUCK CHARIE  |         |
|                           |            | US0000012754684            |         |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 372 | Rel. | 98 %  | <b>SPI</b> | -1731 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 7582                        |            |           |    | -330  |     | -24  | -0,24 | -1         | 0,01  |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,35  |
|                             |            |           |    |       |     |      |       | rank       | 816.  |
|                             |            |           |    |       |     |      |       | rank       | 972.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 3 | Daug. | 77 | 78,9 | Rel. | 84 % | <b>TYPE</b> | 1,54 |
|                  |             |       |        |       |    |      |      | rank | 55.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,10  |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | -0,88 |    |    |   |    |    |
| Foot Angle            | 0,83  |    |    |   |    |    |
| Fore Udder Attachment | -0,21 |    |    |   |    |    |
| Front Teat Placement  | -0,64 |    |    |   |    |    |
| Teat Length           | 0,54  |    |    |   |    |    |
| Rear Udder Height     | 0,79  |    |    |   |    |    |
| Rear Udder Width      | 0,70  |    |    |   |    |    |
| Central Ligament      | 1,03  |    |    |   |    |    |
| Udder Depth           | -0,72 |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,27 |    |    |   |    |    |
| Rear Teat Placement   | 0,47  |    |    |   |    |    |
| Locomotion            | 0,29  |    |    |   |    |    |
| Body Condition        | 0,28  |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 80,4 | <b>Frame</b>           | 0,22 |
|                 | 78,7 | <b>Dairy Strength</b>  | 1,26 |
|                 | 79,6 | <b>Feet &amp; Legs</b> | 2,08 |
|                 | 77,8 | <b>Udder</b>           | 1,23 |
|                 |      | <b>SHI</b>             | 9,5  |
|                 |      | rank                   | 335. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>SPRINGWAY BLVR CHASE-ET</b> | <b>US000053573187</b>             | <b>07.02.2008</b> | <b>AML-002</b> |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 04.02.2009     |
|                                |                                   | US                | MO9048823      |

### Pedigree

#### Sire

END-ROAD PVF BOLIVER-ET  
US000123586443

#### PGS

OUT-JOCK CHOICE AMEL-ET  
US000002231596

#### PGD

END-ROAD MATHIE BIG BANG-ET  
US000015458228

#### Dam

SPRINGWAY OMAN COOKIE-ET  
US000050840837

#### MGS

O-BEE MANFRED JUSTICE-ET  
US000122358313 **MED-012**

#### MGD

WHITTIER-FARMS CHRISTINA-ET  
US000130197465

### Milk production data

SK 10/2017

Herds **63** Daug. **725** Rel. **98 %** **SPI** **2744**

Number controls

**BV** Milk Fat % Prot. % rank 52.

**9444** **679** **15** **-0,19** **21** **0,00** **SCS** **2,61**

rank 131.

### Type data

SHA 11/2017

Herds **68 / 24** Daug. **260** 82,1 Rel. **94 %** **TYPE** **1,52**

rank 56.

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,25  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,30  |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | -0,39 |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | 0,43  |    |    |   |    |    |
| Fore Udder Attachment | 0,47  |    |    |   |    |    |
| Front Teat Placement  | 1,42  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | 0,67  |    |    |   |    |    |
| Udder Depth           | 1,49  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

86,1 **Frame** **1,60**

81,8 **Dairy Strength** **0,29**

83,8 **Feet & Legs** **1,64**

79,3 **Udder** **0,56**

**SHI** **143,7**

rank 28.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>LEXVOLD LUKE HERSHEL-ET</b> | <b>US000002294436</b>             | <b>30.07.1995</b> | <b>LU-013</b>  |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 13.02.1996     |
|                                |                                   | USA               | IG219074A      |

### Pedigree

|                              |                |                               |
|------------------------------|----------------|-------------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS     |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                       |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET   |
| CLE-005                      | US000012365669 |                               |
| <b>Dam</b>                   | <b>MGS</b>     | SINGING-BROOK N-BOY MASCOT-ET |
| LEXVOLD MASCOT HILARY-ET     | US000002020049 | NBY-011                       |
| US000014854001               | <b>MGD</b>     | LEXVOLD BLACKSTAR POPPYB-ET   |
|                              | US000014250458 |                               |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 26 | Daug. | 133 | Rel.  | 96 % | <b>SPI</b> | 1867        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 2832                        |            |           |    | 595   | 17  | -0,12 | 9    | -0,19      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 115.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 526.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 12 | Daug. | 79 | 78,9 | Rel. | 88 % | <b>TYPE</b> | 1,51 |
|                  |             |       |         |       |    |      |      |      | rank        | 57.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | 0,67  |    |    |   |    |    |
| Body Depth            | -0,04 |    |    |   |    |    |
| Rump Angle            | 0,24  |    |    |   |    |    |
| Rear Legs Side View   | -0,38 |    |    |   |    |    |
| Foot Angle            | 0,57  |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,65  |    |    |   |    |    |
| Central Ligament      | 0,02  |    |    |   |    |    |
| Udder Depth           | 0,36  |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,65  |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,6 | <b>Frame</b>           | 0,56  |
| 79,2 | <b>Dairy Strength</b>  | 0,94  |
| 79,4 | <b>Feet &amp; Legs</b> | 2,62  |
| 77,8 | <b>Udder</b>           | 0,87  |
|      | <b>SHI</b>             | 116,5 |
|      | rank                   | 59.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MEYB-ET</b>    | <b>DK002371401847</b>             | <b>01.02.2008</b> | <b>BES-020</b> |
| Country of origin | DK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 31.10.2008     |
|                   |                                   | DK                | 141530         |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | JOCKO BESN                 |
| APPLOUIS JET STREAM-ET |            | FR005694028588             |
| US000130558361         | <b>PGD</b> | APPLOUIS MANFRED JULIET-ET |
|                        |            | US000127325435             |
| <b>Dam</b>             | <b>MGS</b> | OPSAL FINLEY-ET            |
| JEFFANA FINLEY FOXY-ET |            | US000120780521             |
| US000061369108         | <b>MGD</b> | TO-MA DURHAM FLORAL-ET     |
|                        |            | US000129409524             |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.      | <b>183</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>2147</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 85.         |
| <b>3707</b>                 |            |           |           | <b>582</b> |            | <b>14</b> | <b>-0,15</b> | <b>SCS</b> | <b>3,12</b> |
|                             |            |           |           |            |            | <b>15</b> | <b>-0,07</b> | rank       | 684.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 12</b> | Daug. | <b>84</b> | 81,2 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>1,48</b> |
|                  |             |       |                |       |           |      |      | rank        | 58.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,24  |    |    |   |    |    |
| Angularity            | 0,26  |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,53  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | 0,19  |    |    |   |    |    |
| Front Teat Placement  | 0,53  |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | 0,08  |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | 0,90  |    |    |   |    |    |
| Rump Width            | 0,57  |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,5 | <b>Frame</b> | <b>1,82</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,5 | <b>Dairy Strength</b> | <b>0,71</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,0 | <b>Feet &amp; Legs</b> | <b>0,41</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,1 | <b>Udder</b> | <b>0,99</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>124,0</b> |
|--|------------|--------------|

rank 50.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>OFFSPRING</b> | <b>DE000346670881</b> | <b>29.01.2003</b> | <b>PEL-037</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 09.01.2004 |
|                   |                | DE           | 04/30316   |

### Pedigree

|                     |            |                        |         |
|---------------------|------------|------------------------|---------|
| <b>Sire</b>         | <b>PGS</b> | RONNYBROOK PRELUDE-ET  |         |
| COMESTAR OUTSIDE-ET |            | CA000000392457         | STB-016 |
| CA000006026421      | <b>PGD</b> | COMESTAR L OR BLACK-ET |         |
|                     |            | CA000005311227         |         |
| <b>Dam</b>          | <b>MGS</b> | COMESTAR LEE-ET        |         |
| CHERRY              |            | CA000005757117         | RAR-001 |
| DE000343997377      | <b>MGD</b> | CHRISTIANE             |         |
|                     |            | DE000341937736         |         |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 473 | Rel. | 98 %  | <b>SPI</b> | 318   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>9464</b>                 |            |           |    | 122   |     | -3   | -0,14 | 3          | -0,01 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,08  |
|                             |            |           |    |       |     |      |       | rank       | 362.  |
|                             |            |           |    |       |     |      |       | rank       | 629.  |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 4 | Daug. | 136 | 80,3 | Rel. | 91 % | <b>TYPE</b> | 1,48 |
|                  |             |       |        |       |     |      |      | rank | 59.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,84  |    |    |   |    |    |
| Angularity            | 0,35  |    |    |   |    |    |
| Chest Width           | -0,04 |    |    |   |    |    |
| Body Depth            | 0,20  |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | -0,01 |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | 0,13  |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | 0,70  |    |    |   |    |    |
| Rear Udder Height     | 0,79  |    |    |   |    |    |
| Rear Udder Width      | 0,62  |    |    |   |    |    |
| Central Ligament      | 0,35  |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | 0,22  |    |    |   |    |    |
| Rear Legs Rear View   | 1,00  |    |    |   |    |    |
| Rear Teat Placement   | 0,96  |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 85,1 | <b>Frame</b>           | 1,20 |
|                 | 81,3 | <b>Dairy Strength</b>  | 1,06 |
|                 | 80,7 | <b>Feet &amp; Legs</b> | 0,73 |
|                 | 77,2 | <b>Udder</b>           | 1,14 |
|                 |      | <b>SHI</b>             | 68,7 |
|                 |      | rank                   | 153. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>SPATZ</b>      | <b>DE000342325666</b>      | <b>12.02.1998</b> | <b>SOM-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 26.03.1998            |
|                   |                            | DEU               | 98/4558               |

### Pedigree

|                   |                |                          |
|-------------------|----------------|--------------------------|
| <b>Sire</b>       | <b>PGS</b>     | MADAWASKA AEROSTAR       |
| MAUGHLIN STORM-ET | CA000000383622 | STB-011                  |
| CA000005457798    | <b>PGD</b>     | WYKHOLME DEWDROP TACY-ET |
|                   | CA000004467150 |                          |
| <b>Dam</b>        | <b>MGS</b>     | TOBER-ET                 |
| GALLA 34          | DE001020186127 |                          |
| DE001021099054    | <b>MGD</b>     | GALA                     |
|                   | DE001020829527 |                          |

|                             |            |              |     |             |      |             |      |             |             |
|-----------------------------|------------|--------------|-----|-------------|------|-------------|------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds        | 152 | Daug.       | 2534 | Rel.        | 99 % | <b>SPI</b>  | -335        |
| Number controls             |            | <b>BV</b>    |     | <b>Milk</b> |      | <b>Fat</b>  |      | <b>%</b>    |             |
| <b>44674</b>                |            |              |     | <b>-164</b> |      | <b>2</b>    |      | <b>0,15</b> | <b>-3</b>   |
|                             |            | <b>Prot.</b> |     |             |      | <b>%</b>    |      | <b>rank</b> | 491.        |
|                             |            |              |     |             |      | <b>0,05</b> |      | <b>SCS</b>  | <b>3,16</b> |
|                             |            |              |     |             |      |             |      | <b>rank</b> | 737.        |

|                  |             |       |         |       |     |      |      |             |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|-------------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 43 / 19 | Daug. | 403 | 78,9 | Rel. | 97 %        | <b>TYPE</b> | 1,48 |
|                  |             |       |         |       |     |      |      | <b>rank</b> | 60.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | -0,72 |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | 0,56  |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | -1,01 |    |    |   |    |    |
| Rear Udder Height     | 0,76  |    |    |   |    |    |
| Rear Udder Width      | 1,40  |    |    |   |    |    |
| Central Ligament      | 0,55  |    |    |   |    |    |
| Udder Depth           | -0,89 |    |    |   |    |    |
| Rump Width            | 0,80  |    |    |   |    |    |
| Rear Legs Rear View   | 0,79  |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,33 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,7 | <b>Frame</b>           | <b>-0,15</b> |
| 79,5 | <b>Dairy Strength</b>  | <b>1,99</b>  |
| 78,9 | <b>Feet &amp; Legs</b> | <b>1,35</b>  |
| 77,1 | <b>Udder</b>           | <b>1,67</b>  |
|      | <b>SHI</b>             | <b>49,0</b>  |
|      | <b>rank</b>            | 208.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

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|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>DREAM-PRAIRIE BG BRUNO-ET</b> | <b>US000139456657</b>             | <b>23.05.2008</b> | <b>LU-040</b>  |
| Country of origin                | US                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 26.03.2009     |
|                                  |                                   | US                | MO9050852      |

### Pedigree

|                           |                |                             |
|---------------------------|----------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b>     | LEXVOLD LUKE HERSHEL-ET     |
| SANDY-VALLEY BOLTON-ET    | US000002294436 | LU-013                      |
| US000131823833            | <b>PGD</b>     | SANDY-VALLEY BLESSING-ET    |
|                           | US000128824973 |                             |
| <b>Dam</b>                | <b>MGS</b>     | BRAEDALE GOLDWYN-ET         |
| REGANCREST GOLD BRETТА-ET | CA000010705608 | GAD-002                     |
| US000062496942            | <b>MGD</b>     | REGANCREST THRONE BRANDI-ET |
|                           | US000061361640 |                             |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>496</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>2700</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 53.         |
| <b>9092</b>                 |            |           |           | <b>500</b> |            | <b>24</b> | <b>0,07</b> | <b>SCS</b> | <b>3,01</b> |
|                             |            |           |           |            |            | <b>21</b> | <b>0,11</b> | rank       | 559.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>57 / 19</b> | Daug. | <b>221</b> | 81,3 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>1,48</b> |
|                  |             |       |                |       |            |      |      | rank        | 61.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | 0,41  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,30 |    |    |   |    |    |
| Rump Angle            | 0,79  |    |    |   |    |    |
| Rear Legs Side View   | 0,36  |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,78  |    |    |   |    |    |
| Front Teat Placement  | 0,95  |    |    |   |    |    |
| Teat Length           | 0,32  |    |    |   |    |    |
| Rear Udder Height     | 0,72  |    |    |   |    |    |
| Rear Udder Width      | 0,92  |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | 0,45  |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | 0,40  |    |    |   |    |    |
| Rear Teat Placement   | 0,89  |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,6 | <b>Frame</b>           | <b>0,59</b>  |
| 81,3 | <b>Dairy Strength</b>  | <b>0,26</b>  |
| 82,5 | <b>Feet &amp; Legs</b> | <b>0,63</b>  |
| 78,9 | <b>Udder</b>           | <b>1,90</b>  |
|      | <b>SHI</b>             | <b>140,4</b> |
|      | rank                   | 30.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

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|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>SPORTLER</b>   | <b>DE000351318854</b> | <b>29.04.2007</b> | <b>PEL-036</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 30.05.2008     |
|                   |                       | DE                | 08/37054       |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET |            | IT006001001962         |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033            |            | CA000005373153         |
| <b>Dam</b>         | <b>MGS</b> | LAUDAN-ET              |
| FREIHEIT           |            | DE000578448776         |
| DE000348216626     | <b>MGD</b> | FLURA                  |
|                    |            | DE000341943010         |

|                             |            |           |           |            |            |          |              |              |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.      | <b>201</b> | Rel.     | <b>96 %</b>  | <b>SPI</b>   | <b>2139</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank         | 86.         |
| <b>3824</b>                 |            |           |           | <b>647</b> |            | <b>6</b> | <b>-0,34</b> | <b>Prot.</b> | <b>17</b>   |
|                             |            |           |           |            |            |          |              | <b>SCS</b>   | <b>2,43</b> |
|                             |            |           |           |            |            |          |              | rank         | 54.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>35</b> | 80,7 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>1,47</b> |
|                  |             |       |              |       |           |      |      | rank        | 62.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | -0,26 |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | 0,66  |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | -0,23 |    |    |   |    |    |
| Rear Udder Height     | 0,73  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 0,85  |    |    |   |    |    |
| Udder Depth           | 0,79  |    |    |   |    |    |
| Rump Width            | 0,26  |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,3 | <b>Frame</b>           | <b>0,24</b>  |
| 81,6 | <b>Dairy Strength</b>  | <b>0,91</b>  |
| 82,5 | <b>Feet &amp; Legs</b> | <b>0,89</b>  |
| 78,3 | <b>Udder</b>           | <b>1,64</b>  |
|      | <b>SHI</b>             | <b>123,4</b> |
|      | rank                   | 52.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

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|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>GENOS HAMPGEN</b> | <b>NL000366267086</b> | <b>23.09.2003</b> | <b>CHP-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 03.11.2004 |
|                   |                                   | CZ           | 0401700    |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | STARTMORE RUDOLPH-ET       |
| CALBRETT-I H H CHAMPION-ET |            | CA000005470579             |
| CA000006961162             | <b>PGD</b> | SKYS-THE-LIMIT CLAIRE-ET   |
| RUH-002                    |            | US000015386863             |
| <b>Dam</b>                 | <b>MGS</b> | REGANCREST ELTON DURHAM-ET |
| CROCKETT-ACRES DRHM MAE-ET |            | US000002250783             |
| US000207124776             | <b>MGD</b> | WAUREGAN MAEBELL-ET        |
|                            |            | US000017368952             |

|                             |            |           |           |             |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>90</b> | Rel.      | <b>93 %</b> | <b>SPI</b> | <b>-601</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |             | rank       | 558.        |
| <b>1893</b>                 |            |           |           | <b>-147</b> |           | <b>-4</b> | <b>0,01</b> | <b>SCS</b> | <b>2,47</b> |
|                             |            |           |           |             |           | <b>-4</b> | <b>0,00</b> | rank       | 67.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 8</b> | Daug. | <b>22</b> | 79,1 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>1,45</b> |
|                  |             |       |               |       |           |      |      | rank        | 63.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,65  |    |    |   |    |    |
| Angularity            | 0,55  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | -0,05 |    |    |   |    |    |
| Rear Legs Side View   | -0,25 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | 0,21  |    |    |   |    |    |
| Teat Length           | -0,87 |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | 0,31  |    |    |   |    |    |
| Central Ligament      | 0,91  |    |    |   |    |    |
| Udder Depth           | -0,38 |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | -0,54 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,9 | <b>Frame</b> | <b>1,04</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,4 | <b>Dairy Strength</b> | <b>1,79</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,32</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,89</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>39,9</b> |
|--|------------|-------------|

rank 233.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ROCKO</b>      | <b>FR002253771662</b>             | <b>29.05.2000</b> | <b>BES-014</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.03.2003     |
|                   |                                   | FR                | F/S 154410     |

### Pedigree

|                |            |                     |
|----------------|------------|---------------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK          |
| JOCKO BESN     |            | FR004486041658      |
| FR005694028588 | <b>PGD</b> | GAIA                |
|                |            | FR005691017484      |
| <b>Dam</b>     | <b>MGS</b> | ETAZON LORD LILY-ET |
| NARBONNE       |            | NL000780180664      |
| FR002297001602 | <b>MGD</b> | HOTESSE             |
|                |            | FR002292022708      |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>16</b> | Daug.       | <b>209</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>-480</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 527.        |
| <b>4361</b>                 |            |           |           | <b>-224</b> |            | <b>-7</b> | <b>0,03</b> | <b>SCS</b> | <b>3,23</b> |
|                             |            |           |           |             |            | <b>0</b>  | <b>0,16</b> | rank       | 823.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>26 / 9</b> | Daug. | <b>133</b> | 79,8 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>1,44</b> |
|                  |             |       |               |       |            |      |      | rank        | 64.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | 0,74  |    |    |   |    |    |
| Rear Legs Side View   | -0,87 |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | -0,03 |    |    |   |    |    |
| Teat Length           | 0,01  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,18  |    |    |   |    |    |
| Central Ligament      | 0,41  |    |    |   |    |    |
| Udder Depth           | 0,78  |    |    |   |    |    |
| Rump Width            | 0,42  |    |    |   |    |    |
| Rear Legs Rear View   | 1,33  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,55  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

82,8 **Frame** **0,47**

79,6 **Dairy Strength** **-0,18**

80,4 **Feet & Legs** **1,92**

78,1 **Udder** **1,58**

**SHI** **43,1**

rank 221.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FOGAT</b>      | <b>DE000347430673</b>             | <b>22.12.2001</b> | <b>FBE-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 03.01.2002     |
|                   |                                   | DEU               | 02/42          |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET |
| FABER RED-ET   |            | US000002129913   |
| DE000340174036 | <b>PGD</b> | LORELEY 12       |
|                |            | DE001021135253   |
| <b>Dam</b>     | <b>MGS</b> | EVREUX CLE-ET    |
| ELLENA CLE-ET  |            | FR003789007571   |
| DE000577049496 | <b>MGD</b> | ELENA            |
|                |            | DE001015201284   |

|                             |            |           |    |             |    |           |             |            |             |
|-----------------------------|------------|-----------|----|-------------|----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug.       | 97 | Rel.      | 91 %        | <b>SPI</b> | -1970       |
| Number controls             |            | <b>BV</b> |    | Milk        |    | Fat       | %           | Prot.      | %           |
| <b>1776</b>                 |            |           |    | <b>-609</b> |    | <b>-6</b> | <b>0,36</b> | <b>-15</b> | <b>0,09</b> |
|                             |            |           |    |             |    |           |             | <b>SCS</b> | <b>3,14</b> |
|                             |            |           |    |             |    |           |             | rank       | 870.        |
|                             |            |           |    |             |    |           |             | rank       | 715.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 11 | 79,5 | Rel. | 54 % | <b>TYPE</b> | 1,43 |
|                  |             |       |       |       |    |      |      |      | rank        | 65.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,82  |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | 0,43  |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,54  |    |    |   |    |    |
| Fore Udder Attachment | 0,59  |    |    |   |    |    |
| Front Teat Placement  | 0,34  |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | 0,51  |    |    |   |    |    |
| Central Ligament      | -0,51 |    |    |   |    |    |
| Udder Depth           | 0,00  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,28  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 82,9 | <b>Frame</b>           | <b>1,20</b> |
| 78,6 | <b>Dairy Strength</b>  | <b>0,44</b> |
| 80,4 | <b>Feet &amp; Legs</b> | <b>0,52</b> |
| 77,9 | <b>Udder</b>           | <b>1,12</b> |
|      | <b>SHI</b>             | <b>-2,3</b> |
|      | rank                   | ...         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>SPYER</b>     | <b>DE000114015078</b> | <b>06.04.2004</b> | <b>SOM-011</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.06.2004 |
|                   |                                   | DE           | 04/38102   |

### Pedigree

|                                |            |  |
|--------------------------------|------------|--|
| <b>Sire</b>                    | <b>PGS</b> | MAUGHLIN STORM-ET<br>CA000005457798                        |
| BRAEDALE SPY<br>CA000006860836 | <b>PGD</b> | BRAEDALE GYPSY GRAND<br>CA000005912235                     |
| <b>Dam</b>                     | <b>MGS</b> | EMERALD-ACRES-SA TONIC-ET<br>US000002074727 <b>CLE-011</b> |
| UGANDA<br>DE000108797584       | <b>MGD</b> | SCHWALBE<br>DE000108274831                                 |

|                             |            |           |           |             |           |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>22</b> | Daug.       | <b>74</b> | Rel.       | <b>91 %</b> | <b>SPI</b> | <b>-1520</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |             | rank       | 768.         |
| <b>1369</b>                 |            |           |           | <b>-415</b> |           | <b>-13</b> | <b>0,05</b> | <b>SCS</b> | <b>3,05</b>  |
|                             |            |           |           |             |           | <b>-9</b>  | <b>0,08</b> | rank       | 591.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 7</b> | Daug. | <b>31</b> | 79,8 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>1,42</b> |
|                  |             |       |               |       |           |      |      | rank        | 66.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,60  |    |    |   |    |    |
| Angularity            | 0,99  |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,86 |    |    |   |    |    |
| Rear Legs Side View   | -0,55 |    |    |   |    |    |
| Foot Angle            | 1,00  |    |    |   |    |    |
| Fore Udder Attachment | 0,17  |    |    |   |    |    |
| Front Teat Placement  | -0,55 |    |    |   |    |    |
| Teat Length           | -0,00 |    |    |   |    |    |
| Rear Udder Height     | 0,07  |    |    |   |    |    |
| Rear Udder Width      | 0,55  |    |    |   |    |    |
| Central Ligament      | -0,58 |    |    |   |    |    |
| Udder Depth           | -0,28 |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

|                 |      |                        |             |
|-----------------|------|------------------------|-------------|
| daught. average | 82,5 | <b>Frame</b>           | <b>0,84</b> |
|                 | 81,8 | <b>Dairy Strength</b>  | <b>2,55</b> |
|                 | 80,0 | <b>Feet &amp; Legs</b> | <b>1,52</b> |
|                 | 77,3 | <b>Udder</b>           | <b>0,08</b> |
|                 |      | <b>SHI</b>             | <b>11,0</b> |
|                 |      | rank                   | 331.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>TEJUT BACK STORMATIC</b> | <b>HU003236600859</b> | <b>26.05.2003</b> | <b>SOM-010</b> |
| Country of origin           | HU                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 07.08.2003     |
|                             |                       | HUN               | 25914/03       |

### Pedigree

|                       |            |                       |         |
|-----------------------|------------|-----------------------|---------|
| <b>Sire</b>           | <b>PGS</b> | MAUGHLIN STORM-ET     |         |
| COMESTAR STORMATIC-ET |            | CA000005457798        |         |
| CA000006947936        | <b>PGD</b> | COMESTAR LAUSAN BLACK |         |
| SOM-006               |            | CA000005319830        |         |
| <b>Dam</b>            | <b>MGS</b> | GIBBON                |         |
| NICOLE                |            | FR002991000305        | BEL-019 |
| HU003025946922        | <b>MGD</b> | NICOLE                |         |
|                       |            | HU003006400245        |         |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 92 | Rel. | 92 %  | <b>SPI</b> | 10    |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| 1768                        |            |           |    | 133   |    | -9   | -0,27 | 1          | -0,07 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 3,08  |
|                             |            |           |    |       |    |      |       | rank       | 425.  |
|                             |            |           |    |       |    |      |       | rank       | 634.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 3 | Daug. | 16 | 79,1 | Rel. | 61 % | <b>TYPE</b> | 1,42 |
|                  |             |       |       |       |    |      |      | rank | 67.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,73  |    |    |   |    |    |
| Angularity            | 0,34  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | 0,46  |    |    |   |    |    |
| Rear Legs Side View   | -0,38 |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | 0,27  |    |    |   |    |    |
| Front Teat Placement  | 0,21  |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | 0,37  |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | 1,07  |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 0,79  |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,3 | <b>Frame</b> | 1,03 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 79,3 | <b>Dairy Strength</b> | 1,16 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 79,1 | <b>Feet &amp; Legs</b> | 0,68 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,0 | <b>Udder</b> | 0,84 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 57,1 |
|--|------------|------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COMESTAR LEE-ET</b> | <b>CA000005757117</b>      | <b>26.10.1992</b> | <b>RAR-001</b>        |
| Country of origin      | CA                         | <b>Breed</b>      | H100                  |
| Distributor            | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                        |                            | Paternity         | 08.04.1993            |
|                        |                            | CAN               | 299089                |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>                               | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790     |
| HANOVERHILL RAIDER-ET<br>CA000000390409   | <b>PGD</b> | MIL-R-MOR ROXETTE<br>CA000003567417        |
| <b>Dam</b>                                | <b>MGS</b> | TO-MAR BLACKSTAR-ET<br>US000001929410      |
| COMESTAR LAURA BLACK-ET<br>CA000005319783 | <b>MGD</b> | COMESTAR LAURIE SHEIK-ET<br>CA000004425038 |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>117</b> | Daug.       | <b>1588</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-494</b> |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 531.        |
| <b>32755</b>                |            |           |            | <b>-163</b> |             | <b>6</b>   | <b>0,23</b>  | <b>SCS</b> | <b>3,00</b> |
|                             |            |           |            |             |             | <b>-7</b>  | <b>-0,05</b> | rank       | 529.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>80 / 32</b> | Daug. | <b>459</b> | 78,9 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,42</b> |
|                  |             |       |                |       |            |      |      | rank        | 68.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | 1,45  |    |    |   |    |    |
| Chest Width           | -0,69 |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | 0,02  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 1,24  |    |    |   |    |    |
| Teat Length           | -0,18 |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | -0,72 |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 0,52  |    |    |   |    |    |
| Rump Width            | 0,50  |    |    |   |    |    |
| Rear Legs Rear View   | 0,56  |    |    |   |    |    |
| Rear Teat Placement   | 1,36  |    |    |   |    |    |
| Locomotion            | -0,02 |    |    |   |    |    |
| Body Condition        | -0,80 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,3 | <b>Frame</b>           | <b>0,48</b> |
| 79,5 | <b>Dairy Strength</b>  | <b>3,22</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>0,41</b> |
| 77,7 | <b>Udder</b>           | <b>0,85</b> |
|      | <b>SHI</b>             | <b>41,8</b> |
|      | rank                   | 227.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>O-COSMOPOLITAN-ET</b> | <b>NL000570438074</b> | <b>18.10.2010</b> | <b>BS-060</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 01.12.2010 |
|                   |                                   | NL           | 366593     |

### Pedigree

|                          |            |                             |         |
|--------------------------|------------|-----------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET          |         |
| ENSENADA TABOO PLANET-ET |            | US000017121203              |         |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET    |         |
| BS-050                   |            | US000130161039              |         |
| <b>Dam</b>               | <b>MGS</b> | PICSTON SHOTTLE-ET          |         |
| LARCREST COSMOPOLITAN    |            | GB000000598172              | PEL-033 |
| US000052475668           | <b>MGD</b> | LARCREST OSIDE CHAMPAGNE-TW |         |
|                          |            | US000051449617              |         |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.      | 351 | Rel.      | 97 %        | <b>SPI</b> | 3131        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %           |
| <b>4478</b>                 |            |           |    | <b>622</b> |     | <b>27</b> | <b>0,04</b> | <b>24</b>  | <b>0,09</b> |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | <b>2,88</b> |
|                             |            |           |    |            |     |           |             | rank       | 33.         |
|                             |            |           |    |            |     |           |             | rank       | 369.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 63 / 11 | Daug. | 217 | 82,5 | Rel. | 93 % | <b>TYPE</b> | 1,41 |
|                  |             |       |         |       |     |      |      |      | rank        | 69.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | 1,09  |    |    |   |    |    |
| Body Depth            | 0,75  |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | 1,19  |    |    |   |    |    |
| Teat Length           | -1,22 |    |    |   |    |    |
| Rear Udder Height     | -0,13 |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | 0,57  |    |    |   |    |    |
| Udder Depth           | 1,01  |    |    |   |    |    |
| Rump Width            | 0,86  |    |    |   |    |    |
| Rear Legs Rear View   | -0,12 |    |    |   |    |    |
| Rear Teat Placement   | 1,38  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,96  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,9 | <b>Frame</b> | <b>0,97</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 82,1 | <b>Dairy Strength</b> | <b>0,45</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,4 | <b>Feet &amp; Legs</b> | <b>0,37</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 80,5 | <b>Udder</b> | <b>1,45</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>150,7</b> |
|--|------------|--------------|

rank 25.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |              |                |
|--------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date   | State Register |
| <b>SHOREMAR MASON-ET</b> | <b>CA000005279989</b> | 24.11.1990   | <b>LID-001</b> |
| Country of origin        | CA                    | <b>Breed</b> | H100           |
| Distributor              | INSEMAS s.r.o.        | Herdbook     | HA             |
|                          |                       | Paternity    | 21.03.1991     |
|                          |                       | CAN          | 242086         |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | S-W-D VALIANT             |
| A TOWNSON LINDY-ET     |            | US000001650414            |
| CA000000382748         | <b>PGD</b> | TOWNSON ELEVATION LINDY   |
|                        |            | US000008721357            |
| <b>Dam</b>             | <b>MGS</b> | HANOVERHILL STARBUCK      |
| MEADOW BRIDGE MEGAN-ET |            | CA000000352790            |
| CA000004244417         | <b>MGD</b> | MEADOW BRIDGE FOND MEG-ET |
|                        |            | CA00000339043             |

|                             |            |           |    |       |     |       |      |            |            |       |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug. | 404 | Rel.  | 98 % | <b>SPI</b> | -378       |       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |       |
| <b>8043</b>                 |            |           |    | 25    | -13 | -0,26 | -1   | -0,05      | <b>SCS</b> | 4,06  |
|                             |            |           |    |       |     |       |      |            | rank       | 502.  |
|                             |            |           |    |       |     |       |      |            | rank       | 1246. |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 29 / 15 | Daug. | 83 | 78,5 | Rel. | 87 % | <b>TYPE</b> | 1,40 |
|                  |             |       |         |       |    |      |      |      | rank        | 70.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,62  |    |    |   |    |    |
| Angularity            | 0,86  |    |    |   |    |    |
| Chest Width           | 0,12  |    |    |   |    |    |
| Body Depth            | 1,04  |    |    |   |    |    |
| Rump Angle            | 0,56  |    |    |   |    |    |
| Rear Legs Side View   | 0,43  |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | -0,70 |    |    |   |    |    |
| Front Teat Placement  | -0,69 |    |    |   |    |    |
| Teat Length           | 0,32  |    |    |   |    |    |
| Rear Udder Height     | 0,65  |    |    |   |    |    |
| Rear Udder Width      | 0,81  |    |    |   |    |    |
| Central Ligament      | 0,67  |    |    |   |    |    |
| Udder Depth           | -0,79 |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | 0,53  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

80,8 **Frame** 1,17

78,8 **Dairy Strength** 2,87

77,7 **Feet & Legs** -1,09

77,7 **Udder** 0,86

**SHI** 44,7

rank 216.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>LEHOX LAREZ-ET</b> | <b>CA000100745737</b> | <b>20.06.2002</b> | <b>BW-031</b>  |
| Country of origin     | CA                    | <b>Breed</b>      | H100           |
| Distributor           | INSEMAS s.r.o.        | Herdbook          | HA             |
|                       |                       | Paternity         | 04.02.2003     |
|                       |                       | CA                | DC88705        |

### Pedigree

|                    |            |                        |         |
|--------------------|------------|------------------------|---------|
| <b>Sire</b>        | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET |         |
| BENNER AEROWOOD-ET |            | US000002103297         | MEW-004 |
| CA000006682654     | <b>PGD</b> | LEXOUS AEROSTAR RIA-ET |         |
| BW-017             |            | CA000005557303         |         |
| <b>Dam</b>         | <b>MGS</b> | COMESTAR LEE-ET        |         |
| LEHOX LEE FABIENNE |            | CA000005757117         | RAR-001 |
| CA000010600336     | <b>MGD</b> | LEHOX SUPERSIRE FABYA  |         |
|                    |            | CA000006463087         |         |

|                             |            |           |    |            |           |             |          |             |      |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|----------|-------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug.      | 370       | Rel.        | 98 %     | <b>SPI</b>  | 501  |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %        | Prot.       | %    |
| <b>6869</b>                 |            |           |    | <b>-11</b> | <b>16</b> | <b>0,30</b> | <b>1</b> | <b>0,03</b> |      |
|                             |            |           |    |            |           |             |          | <b>SCS</b>  | 2,54 |
|                             |            |           |    |            |           |             |          | rank        | 88.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 5 | Daug. | 56 | 80,6 | Rel. | 82 % | <b>TYPE</b> | 1,38 |
|                  |             |       |        |       |    |      |      |      | rank        | 71.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,74  |    |    |   |    |    |
| Angularity            | 0,75  |    |    |   |    |    |
| Chest Width           | -0,59 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 0,13  |    |    |   |    |    |
| Rear Legs Side View   | -0,84 |    |    |   |    |    |
| Foot Angle            | 0,37  |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | 0,87  |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | 0,71  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | 0,53  |    |    |   |    |    |
| Udder Depth           | 1,04  |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | 1,14  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 84,8 | <b>Frame</b>           | 1,68  |
| 81,3 | <b>Dairy Strength</b>  | 0,72  |
| 81,8 | <b>Feet &amp; Legs</b> | -0,03 |
| 77,5 | <b>Udder</b>           | 0,94  |
|      | <b>SHI</b>             | 70,5  |
|      | rank                   | 146.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>FUSTEAD JETSTREAM SOTO-ET</b> | <b>US000139805376</b> | <b>05.03.2009</b> | <b>BES-025</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.11.2009 |
|                   |                                   | US           | MO9058854  |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | JOCKO BESN                 |
| APPLOUIS JET STREAM-ET     |            | FR005694028588             |
| US000130558361             | <b>PGD</b> | APPLOUIS MANFRED JULIET-ET |
|                            |            | US000127325435             |
| <b>Dam</b>                 | <b>MGS</b> | PICSTON SHOTTLE-ET         |
| FUSTEAD SHOTTLE SALTINE-ET |            | GB000000598172             |
| US000137898424             | <b>MGD</b> | FUSTEAD OMAN SHELLY-ET     |
|                            |            | US000061436658             |

|                             |            |           |          |            |           |           |              |            |             |
|-----------------------------|------------|-----------|----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>3</b> | Daug.      | <b>38</b> | Rel.      | <b>70 %</b>  | <b>SPI</b> | <b>1643</b> |
| Number controls             |            | <b>BV</b> |          | Milk       |           | Fat       |              | rank       | ...         |
| <b>133</b>                  |            |           |          | <b>315</b> |           | <b>12</b> | <b>-0,01</b> | <b>14</b>  | <b>0,08</b> |
|                             |            |           |          |            |           |           |              | <b>SCS</b> | <b>2,72</b> |
|                             |            |           |          |            |           |           |              | rank       | ...         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 2</b> | Daug. | <b>34</b> | 82,5 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>1,38</b> |
|                  |             |       |              |       |           |      |      | rank        | 72.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,34  |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | -0,13 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 0,79  |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | 0,17  |    |    |   |    |    |
| Fore Udder Attachment | 0,64  |    |    |   |    |    |
| Front Teat Placement  | 0,92  |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | 0,77  |    |    |   |    |    |
| Rear Udder Width      | -0,14 |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | 1,35  |    |    |   |    |    |
| Rump Width            | -0,34 |    |    |   |    |    |
| Rear Legs Rear View   | 0,01  |    |    |   |    |    |
| Rear Teat Placement   | 0,59  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,9 | <b>Frame</b> | <b>1,45</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,9 | <b>Dairy Strength</b> | <b>0,07</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 84,1 | <b>Feet &amp; Legs</b> | <b>0,60</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 80,7 | <b>Udder</b> | <b>1,03</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>104,6</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COMESTAR STORMATIC-ET</b> | <b>CA000006947936</b>      | <b>07.09.1997</b> | <b>SOM-006</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 26.08.1998 |
|                   |                | CAN          | BT423414   |

### Pedigree

|                       |            |                          |         |
|-----------------------|------------|--------------------------|---------|
| <b>Sire</b>           | <b>PGS</b> | MADAWASKA AEROSTAR       |         |
| MAUGHLIN STORM-ET     |            | CA000000383622           | STB-011 |
| CA000005457798        | <b>PGD</b> | WYKHOLME DEWDROP TACY-ET |         |
|                       |            | CA000004467150           |         |
| <b>Dam</b>            | <b>MGS</b> | TO-MAR BLACKSTAR-ET      |         |
| COMESTAR LAUSAN BLACK |            | US000001929410           | CHR-002 |
| CA000005319830        | <b>MGD</b> | COMESTAR LAURIE SHEIK-ET |         |
|                       |            | CA000004425038           |         |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 228 | Rel. | 97 %  | <b>SPI</b> | -1086 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>4415</b>                 |            |           |    | -150  |     | -1   | -0,09 | -1         | -0,12 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,14  |
|                             |            |           |    |       |     |      |       | rank       | 666.  |
|                             |            |           |    |       |     |      |       | rank       | 710.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 19 / 8 | Daug. | 83 | 79,5 | Rel. | 89 % | <b>TYPE</b> | 1,37 |
|                  |             |       |        |       |    |      |      | rank | 73.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,88  |    |    |   |    |    |
| Angularity            | 0,86  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | -0,05 |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,42  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,59  |    |    |   |    |    |
| Rear Udder Width      | 0,83  |    |    |   |    |    |
| Central Ligament      | 0,08  |    |    |   |    |    |
| Udder Depth           | 0,53  |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 82,3 | <b>Frame</b>           | 0,99 |
|                 | 80,3 | <b>Dairy Strength</b>  | 1,81 |
|                 | 78,3 | <b>Feet &amp; Legs</b> | 0,30 |
|                 | 78,4 | <b>Udder</b>           | 1,04 |
|                 |      | <b>SHI</b>             | 22,2 |
|                 |      | rank                   | 285. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>REGANCREST ALTAIOTA-ET</b> | <b>US000061898306</b> | <b>12.06.2005</b> | <b>MED-040</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 24.02.2006 |
|                   |                | US           | MO6016282  |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | BARBIER-M JUROR ITO-ET      |
| REGANCREST ITO ISA       |            | US000002287161              |
| US000060870571           | <b>MGD</b> | REGANCREST EMORY DORISSA-ET |
|                          |            | US000015967188              |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>194</b> | Rel.      | <b>93 %</b> | <b>SPI</b> | <b>3664</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 21.         |
| <b>1055</b>                 |            |           |           | <b>701</b> |            | <b>38</b> | <b>0,17</b> | <b>SCS</b> | <b>2,98</b> |
|                             |            |           |           |            |            |           |             | rank       | 515.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 7</b> | Daug. | <b>46</b> | 82,0 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>1,37</b> |
|                  |             |       |               |       |           |      |      | rank        | 74.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,49  |    |    |   |    |    |
| Angularity            | -0,25 |    |    |   |    |    |
| Chest Width           | 0,48  |    |    |   |    |    |
| Body Depth            | 0,52  |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | -0,61 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | 0,01  |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | 0,25  |    |    |   |    |    |
| Rump Width            | 1,02  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 0,35  |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | 0,48  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,1 | <b>Frame</b> | <b>2,38</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,8 | <b>Dairy Strength</b> | <b>0,05</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,3 | <b>Feet &amp; Legs</b> | <b>0,92</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,3 | <b>Udder</b> | <b>0,10</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>165,2</b> |
|--|------------|--------------|

rank 17.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BUCKINGHAM</b> | <b>DE000115586093</b>      | <b>02.02.2007</b> | <b>BW-038</b>         |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 25.10.2007            |
|                   |                            | DE                | 07/43630              |

### Pedigree

|                  |            |                             |
|------------------|------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| R-E-W BUCKEYE-ET |            | US000002290977              |
| US000130588960   | <b>PGD</b> | MAYERLANE RUD BUBBLE-ET     |
| BW-036           |            | US000120536177              |
| <b>Dam</b>       | <b>MGS</b> | HARTLINE TITANIC-ET         |
| GRANADA 698      |            | US000123066734              |
| DE000114577698   | <b>MGD</b> | EILA                        |
|                  |            | DE000113668332              |
|                  |            | SOM-007                     |

|                             |            |           |    |            |           |             |          |             |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|----------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.      | 173       | Rel.        | 95 %     | <b>SPI</b>  | 394         |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %        | Prot.       | %           |
| <b>3099</b>                 |            |           |    | <b>-54</b> | <b>14</b> | <b>0,29</b> | <b>2</b> | <b>0,07</b> | <b>rank</b> |
|                             |            |           |    |            |           |             |          |             | 348.        |
|                             |            |           |    |            |           |             |          | <b>SCS</b>  | <b>2,87</b> |
|                             |            |           |    |            |           |             |          | rank        | 360.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 5 | Daug. | 25 | 80,5 | Rel. | 66 % | <b>TYPE</b> | 1,36 |
|                  |             |       |        |       |    |      |      |      | rank        | 75.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,42  |    |    |   |    |    |
| Angularity            | 0,29  |    |    |   |    |    |
| Chest Width           | 0,53  |    |    |   |    |    |
| Body Depth            | 0,20  |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,98 |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,08 |    |    |   |    |    |
| Teat Length           | 1,11  |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | 0,29  |    |    |   |    |    |
| Rump Width            | 0,06  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | 0,17  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,8 | <b>Frame</b>           | <b>1,99</b>  |
| 82,0 | <b>Dairy Strength</b>  | <b>1,08</b>  |
| 82,4 | <b>Feet &amp; Legs</b> | <b>1,50</b>  |
| 76,1 | <b>Udder</b>           | <b>-0,06</b> |
|      | <b>SHI</b>             | <b>66,5</b>  |
|      | rank                   | 157.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>WALKERBRAE LOGISTIC</b> | <b>CA000006754099</b>      | <b>12.02.1997</b> | <b>RUH-005</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.10.1997 |
|                   |                | CAN          | 403740     |

### Pedigree

|                           |            |                           |         |
|---------------------------|------------|---------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| STARTMORE RUDOLPH-ET      |            | CA000000383622            | STB-011 |
| CA000005470579            | <b>PGD</b> | STARTMORE RACHELLE-ET     |         |
| ARS-015                   |            | CA000004324253            |         |
| <b>Dam</b>                | <b>MGS</b> | DUREGAL ASTRE STARBUCK ET |         |
| WALKERBRAE ASTRE LINDA-ET |            | CA000000392405            | STB-015 |
| CA000005904795            | <b>MGD</b> | PINEHURST BELINDI-ET      |         |
|                           |            | CA000014055382            |         |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>81</b> | Daug.      | <b>1787</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>1700</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 135.        |
| <b>36694</b>                |            |           |           | <b>617</b> |             | <b>12</b> | <b>-0,22</b> | <b>SCS</b> | <b>2,85</b> |
|                             |            |           |           |            |             |           |              | rank       | 340.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 11</b> | Daug. | <b>279</b> | 79,4 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>1,36</b> |
|                  |             |       |                |       |            |      |      | rank        | 76.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,93  |    |    |   |    |    |
| Angularity            | 0,99  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | -0,24 |    |    |   |    |    |
| Foot Angle            | -0,15 |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,23 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,52  |    |    |   |    |    |
| Rear Udder Width      | 0,29  |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | 0,87  |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | -0,50 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 83,4 | <b>Frame</b>           | <b>1,16</b>  |
|                 | 80,5 | <b>Dairy Strength</b>  | <b>2,46</b>  |
|                 | 78,4 | <b>Feet &amp; Legs</b> | <b>-0,39</b> |
|                 | 77,4 | <b>Udder</b>           | <b>0,73</b>  |
|                 |      | <b>SHI</b>             | <b>105,8</b> |
|                 |      | rank                   | 78.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>BELFAST SAPHIRE-ET</b> | <b>CA000101627624</b> | <b>21.05.2003</b> | <b>CHP-007</b> |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 06.01.2004     |
|                           |                       | CA                | DC109978       |

### Pedigree

|                            |            |                           |         |
|----------------------------|------------|---------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | STARTMORE RUDOLPH-ET      |         |
| CALBRETT-I H H CHAMPION-ET |            | CA000005470579            | ARS-015 |
| CA000006961162             | <b>PGD</b> | SKYS-THE-LIMIT CLAIRE-ET  |         |
| RUH-002                    |            | US000015386863            |         |
| <b>Dam</b>                 | <b>MGS</b> | COMESTAR LEE-ET           |         |
| GEN-I-BEQ LEE SPENDIDE-ET  |            | CA000005757117            | RAR-001 |
| CA000010654698             | <b>MGD</b> | GLEN DRUMMOND SPLENDOR-ET |         |
|                            |            | CA000006847680            |         |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 970 | Rel.  | 99 % | <b>SPI</b> | 556        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| <b>18049</b>                |            |           |    | 228   | 3   | -0,12 | 3    | -0,10      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 320.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 261.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 3 | Daug. | 80 | 79,5 | Rel. | 85 % | <b>TYPE</b> | 1,35 |
|                  |             |       |        |       |    |      |      |      | rank        | 77.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,00  |    |    |   |    |    |
| Angularity            | 1,00  |    |    |   |    |    |
| Chest Width           | -0,39 |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | 0,35  |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,41  |    |    |   |    |    |
| Front Teat Placement  | 0,73  |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,19  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | -0,49 |    |    |   |    |    |
| Udder Depth           | 0,29  |    |    |   |    |    |
| Rump Width            | -0,01 |    |    |   |    |    |
| Rear Legs Rear View   | 0,11  |    |    |   |    |    |
| Rear Teat Placement   | 0,19  |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

83,6 **Frame** 0,95

81,5 **Dairy Strength** 2,19

78,6 **Feet & Legs** -0,36

76,9 **Udder** 0,93

**SHI** 70,7

rank 145.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>MORSAN BORIS</b> | <b>CA000007611440</b> | <b>05.06.2007</b> | <b>LU-046</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.11.2007 |
|                   |                | CA           | DC194949   |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | LEXVOLD LUKE HERSHEL-ET    |
| SANDY-VALLEY BOLTON-ET     |            | US000002294436             |
| US000131823833             |            | LU-013                     |
|                            | <b>PGD</b> | SANDY-VALLEY BLESSING-ET   |
|                            |            | US000128824973             |
| <b>Dam</b>                 | <b>MGS</b> | REGANCREST ELTON DURHAM-ET |
| OCEAN-VIEW DURHAM DORIS-ET |            | US000002250783             |
| US000130824028             |            |                            |
|                            | <b>MGD</b> | CREEK AIRLINER DOREEN-ET   |
|                            |            | US000015926518             |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>234</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1726</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 132.        |
| <b>2217</b>                 |            |           |           | <b>321</b> |            | <b>13</b> | <b>0,00</b> | <b>SCS</b> | <b>2,98</b> |
|                             |            |           |           |            |            | <b>14</b> | <b>0,09</b> | rank       | 498.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 4</b> | Daug. | <b>66</b> | 82,0 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>1,34</b> |
|                  |             |       |               |       |           |      |      | rank        | 78.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,83  |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,18 |    |    |   |    |    |
| Foot Angle            | 0,54  |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | -0,06 |    |    |   |    |    |
| Teat Length           | 0,56  |    |    |   |    |    |
| Rear Udder Height     | 0,42  |    |    |   |    |    |
| Rear Udder Width      | -0,00 |    |    |   |    |    |
| Central Ligament      | 1,16  |    |    |   |    |    |
| Udder Depth           | 0,25  |    |    |   |    |    |
| Rump Width            | -0,55 |    |    |   |    |    |
| Rear Legs Rear View   | -0,13 |    |    |   |    |    |
| Rear Teat Placement   | -0,48 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,3 | <b>Frame</b>           | <b>0,92</b>  |
| 82,2 | <b>Dairy Strength</b>  | <b>0,26</b>  |
| 83,9 | <b>Feet &amp; Legs</b> | <b>0,78</b>  |
| 79,7 | <b>Udder</b>           | <b>1,19</b>  |
|      | <b>SHI</b>             | <b>105,8</b> |
|      | rank                   | 77.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>HENKESEEN EMPEROR-ET</b> | <b>US000017256762</b> | <b>02.07.1996</b> | <b>EMY-002</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 01.05.1997 |
|                   |                | CAN          | 232876A    |

### Pedigree

|                        |            |                      |         |
|------------------------|------------|----------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | TO-MAR BLACKSTAR-ET  |         |
| MJR BLACKSTAR EMORY-ET |            | US000001929410       | CHR-002 |
| US000002114601         | <b>PGD</b> | MJR ROTATE ELSIE     |         |
|                        |            | US000012600262       |         |
| <b>Dam</b>             | <b>MGS</b> | CURRIES-M HOLIDAY-ET |         |
| HENKESEEN M HILLARY-ET |            | US000002012343       | NBY-013 |
| US000014973207         | <b>MGD</b> | HENKESEEN MARK MARCI |         |
|                        |            | US000012759086       |         |

|                             |            |           |           |            |             |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>83</b> | Daug.      | <b>1597</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>385</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | Prot.      | %            |
| <b>31711</b>                |            |           |           | <b>270</b> |             | <b>-6</b> | <b>-0,31</b> | <b>3</b>   | <b>-0,12</b> |
|                             |            |           |           |            |             |           |              | rank       | 350.         |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,67</b>  |
|                             |            |           |           |            |             |           |              | rank       | 161.         |

|                  |             |       |                |       |            |      |      |             |             |             |     |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|-----|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>57 / 21</b> | Daug. | <b>561</b> | 79,1 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,34</b> |     |
|                  |             |       |                |       |            |      |      |             |             | rank        | 79. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,04 |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | -1,25 |    |    |   |    |    |
| Rear Legs Side View   | -0,67 |    |    |   |    |    |
| Foot Angle            | 0,35  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | 0,18  |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | 0,62  |    |    |   |    |    |
| Central Ligament      | 1,43  |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

|                 |      |                        |             |
|-----------------|------|------------------------|-------------|
| daught. average | 81,8 | <b>Frame</b>           | <b>0,50</b> |
|                 | 80,0 | <b>Dairy Strength</b>  | <b>2,06</b> |
|                 | 79,0 | <b>Feet &amp; Legs</b> | <b>1,31</b> |
|                 | 77,4 | <b>Udder</b>           | <b>0,77</b> |
|                 |      | <b>SHI</b>             | <b>65,3</b> |
|                 |      | rank                   | 162.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>VENIZELO</b>   | <b>FR002929952357</b>             | <b>20.08.2004</b> | <b>SOM-022</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 29.08.2006     |
|                   |                                   | FR                | F/S A11135     |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | MAUGHLIN STORM-ET      |
| HARTLINE TITANIC-ET |            | CA000005457798         |
| US000123066734      | <b>PGD</b> | DOCO LEADMAN TENACIOUS |
| SOM-007             |            | US000014734618         |
| <b>Dam</b>          | <b>MGS</b> | ETAZON ADDISON-ET      |
| RIVERA              |            | NL000839380546         |
| FR002929952004      | <b>MGD</b> | NOUMEA                 |
|                     |            | FR002997001284         |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.      | <b>55</b> | Rel.      | <b>89 %</b>  | <b>SPI</b> | <b>1669</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 138.        |
| <b>968</b>                  |            |           |           | <b>392</b> |           | <b>17</b> | <b>0,02</b>  | <b>SCS</b> | <b>2,65</b> |
|                             |            |           |           |            |           | <b>10</b> | <b>-0,04</b> | rank       | 150.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 6</b> | Daug. | <b>31</b> | 79,0 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>1,34</b> |
|                  |             |       |               |       |           |      |      | rank        | 80.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,81 |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | 0,47  |    |    |   |    |    |
| Rear Legs Side View   | -0,55 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | 1,04  |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | 0,90  |    |    |   |    |    |
| Rear Udder Width      | 1,13  |    |    |   |    |    |
| Central Ligament      | -0,31 |    |    |   |    |    |
| Udder Depth           | -0,14 |    |    |   |    |    |
| Rump Width            | -0,78 |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,29 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,41</b> |
| 79,8 | <b>Dairy Strength</b>  | <b>1,26</b>  |
| 78,4 | <b>Feet &amp; Legs</b> | <b>1,31</b>  |
| 77,9 | <b>Udder</b>           | <b>1,46</b>  |
|      | <b>SHI</b>             | <b>103,9</b> |
|      | rank                   | 83.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>KINGS-RANSOM M DUCE-ET</b> | <b>US000060082142</b> | <b>01.10.1999</b> | <b>PEL-024</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 24.08.2004 |
|                   |                                   | USA          | DC124272   |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | RONNYBROOK PRELUDE-ET       |
| CAROL PRELUDE MTOTO-ET   |            | CA000000392457              |
| IT006001001962           | <b>PGD</b> | BLACKSTAR BETSY-ET          |
|                          |            | US000014459466              |
|                          |            | STB-016                     |
| <b>Dam</b>               | <b>MGS</b> | ETAZON CELSIUS-ET           |
| KINGS-RANSOM CEL DIMA-ET |            | NL000460508522              |
| US000015942037           | <b>MGD</b> | KINGS-RANSOM MSCOT DIXIE-ET |
|                          |            | US000014744241              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>29</b> | Daug.      | <b>316</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>1924</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 112.        |
| <b>7227</b>                 |            |           |           | <b>508</b> |            | <b>18</b> | <b>-0,04</b> | <b>SCS</b> | <b>2,81</b> |
|                             |            |           |           |            |            | <b>12</b> | <b>-0,09</b> | rank       | 302.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>45 / 15</b> | Daug. | <b>209</b> | 79,9 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>1,34</b> |
|                  |             |       |                |       |            |      |      | rank        | 81.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,77 |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | -0,20 |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | -0,49 |    |    |   |    |    |
| Foot Angle            | -0,48 |    |    |   |    |    |
| Fore Udder Attachment | 0,70  |    |    |   |    |    |
| Front Teat Placement  | 0,61  |    |    |   |    |    |
| Teat Length           | 0,24  |    |    |   |    |    |
| Rear Udder Height     | 0,56  |    |    |   |    |    |
| Rear Udder Width      | 0,73  |    |    |   |    |    |
| Central Ligament      | 0,95  |    |    |   |    |    |
| Udder Depth           | 0,42  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | 0,97  |    |    |   |    |    |
| Rear Teat Placement   | 1,12  |    |    |   |    |    |
| Locomotion            | 0,95  |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,4 | <b>Frame</b> | <b>-0,69</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,9 | <b>Dairy Strength</b> | <b>0,49</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,3 | <b>Feet &amp; Legs</b> | <b>1,15</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,1 | <b>Udder</b> | <b>2,53</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>111,6</b> |
|--|------------|--------------|

rank 70.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>COBRA</b>     | <b>FR004509627006</b> | <b>10.03.2007</b> | <b>BW-035</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 07.06.2007 |
|                   |                                   | FR           | F/S 393276 |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| LADYS-MANOR WILDMAN-ET |            | US000002290977              |
| US000130803069         | <b>PGD</b> | LADYS-MANOR WYNONA-ET       |
|                        |            | US000123508757              |
| <b>Dam</b>             | <b>MGS</b> | ALZI JUROR FORD             |
| TAGE                   |            | IT003604039709              |
| FR004460977621         | <b>MGD</b> | RIVIERE                     |
|                        |            | FR004460977563              |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug. | 421 | Rel. | 98 % | <b>SPI</b> | 87          |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| 7172                        |            |           |    | 10    | 9   | 0,15 | -3   | -0,07      | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 410.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 287.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 45 / 19 | Daug. | 105 | 80,6 | Rel. | 88 % | <b>TYPE</b> | 1,34 |
|                  |             |       |         |       |     |      |      |      | rank        | 82.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,56  |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,40 |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | -0,04 |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | 0,51  |    |    |   |    |    |
| Rear Udder Height     | 0,55  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | 0,39  |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,63 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 84,2 | <b>Frame</b> | 0,57 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,8 | <b>Dairy Strength</b> | 1,60 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 81,8 | <b>Feet &amp; Legs</b> | 0,80 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,7 | <b>Udder</b> | 1,10 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 56,1 |
|--|------------|------|

rank 189.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |              |                |
|--------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date   | State Register |
| <b>BLUE-HAVEN-LTD BRICK-ET</b> | <b>US000133906051</b> | 28.11.2002   | <b>PEL-035</b> |
| Country of origin              | US                    | <b>Breed</b> | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook     | HA             |
|                                |                       | Paternity    | 29.10.2003     |
|                                |                       | CA           | DC106410       |

### Pedigree

|                             |            |                          |         |
|-----------------------------|------------|--------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | RONNYBROOK PRELUDE-ET    |         |
| COMESTAR OUTSIDE-ET         |            | CA000000392457           | STB-016 |
| CA000006026421              | <b>PGD</b> | COMESTAR L OR BLACK-ET   |         |
|                             |            | CA000005311227           |         |
| <b>Dam</b>                  | <b>MGS</b> | BRABANT STAR PATRON-ET   |         |
| WILCOXVIEW PATRON BROOKE-ET |            | US000002160458           | BS-034  |
| US000017385124              | <b>MGD</b> | ROYLANE LEADMAN BELLA-ET |         |
|                             |            | US000014423667           |         |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 656 | Rel. | 99 % | <b>SPI</b> | 1107       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 13591                       |            |           |    | 36    | 21  | 0,36 | 7    | 0,13       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 225.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 1133.      |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 34 / 9 | Daug. | 191 | 80,7 | Rel. | 93 % | <b>TYPE</b> | 1,33 |
|                  |             |       |        |       |     |      |      |      | rank        | 83.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,65  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | 0,23  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 0,88  |    |    |   |    |    |
| Teat Length           | -0,59 |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | 0,57  |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | 0,53  |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | 0,97  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 84,1 | <b>Frame</b>           | 1,17 |
| 81,9 | <b>Dairy Strength</b>  | 1,65 |
| 82,0 | <b>Feet &amp; Legs</b> | 0,61 |
| 77,8 | <b>Udder</b>           | 0,60 |
|      | <b>SHI</b>             | 86,5 |
|      | rank                   | 111. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MASCOL-ET</b>  | <b>DE000578891748</b>             | <b>13.07.2000</b> | <b>PEL-031</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.05.2005     |
|                   |                                   | DE                | 05/2465        |

### Pedigree

|                        |            |                       |         |
|------------------------|------------|-----------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | RONNYBROOK PRELUDE-ET |         |
| CAROL PRELUDE MTOTO-ET |            | CA000000392457        | STB-016 |
| IT006001001962         | <b>PGD</b> | BLACKSTAR BETSY-ET    |         |
|                        |            | US000014459466        |         |
| <b>Dam</b>             | <b>MGS</b> | STARTMORE RUDOLPH-ET  |         |
| ELAINE                 |            | CA000005470579        | ARS-015 |
| NL000211251345         | <b>MGD</b> | DE EUGENIE            |         |
|                        |            | NL000831894607        |         |

|                             |            |           |   |       |     |      |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug. | 86  | Rel. | 91 %  | <b>SPI</b> | 2670       |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1237</b>                 |            |           |   | 264   | 35  | 0,44 | 21    | 0,26       | <b>SCS</b> |
|                             |            |           |   |       |     |      |       |            | rank       |
|                             |            |           |   |       |     |      |       |            | ...        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 1 | Daug. | 52 | 80,0 | Rel. | 80 % | <b>TYPE</b> | 1,32 |
|                  |             |       |       |       |    |      |      |      | rank        | 84.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | 0,41  |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | -1,09 |    |    |   |    |    |
| Rear Udder Height     | 0,57  |    |    |   |    |    |
| Rear Udder Width      | 0,46  |    |    |   |    |    |
| Central Ligament      | -0,34 |    |    |   |    |    |
| Udder Depth           | 1,08  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,65  |    |    |   |    |    |
| Rear Teat Placement   | 1,34  |    |    |   |    |    |
| Locomotion            | 0,62  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,5 | <b>Frame</b>           | <b>0,51</b>  |
| 79,9 | <b>Dairy Strength</b>  | <b>1,60</b>  |
| 80,4 | <b>Feet &amp; Legs</b> | <b>0,94</b>  |
| 78,1 | <b>Udder</b>           | <b>0,88</b>  |
|      | <b>SHI</b>             | <b>133,5</b> |
|      | rank                   | 36.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>AVENHAM RORY PI-ET</b> | <b>GB181649101216</b> | <b>03.01.2006</b> | <b>PEL-045</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | GB                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 01.03.2006 |
|                   |                                   | NL           | 138678     |

### Pedigree

|                         |            |                        |
|-------------------------|------------|------------------------|
| <b>Sire</b>             | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET      |            | IT006001001962         |
| GB000000598172          | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033                 |            | CA000005373153         |
| <b>Dam</b>              | <b>MGS</b> | COMESTAR OUTSIDE-ET    |
| AVENHAM OUTSIDE J ROLLS |            | CA000006026421         |
| GB000009878292          | <b>MGD</b> | AVENHAM JUROR ROLLS-ET |
|                         |            | GB000009084128         |

|                             |            |           |    |            |           |             |           |              |      |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|--------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 12 | Daug.      | 223       | Rel.        | 95 %      | <b>SPI</b>   | 2008 |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %         | Prot.        | %    |
| <b>3287</b>                 |            |           |    | <b>448</b> | <b>28</b> | <b>0,17</b> | <b>10</b> | <b>-0,09</b> |      |
|                             |            |           |    |            |           |             |           | <b>SCS</b>   | 2,42 |
|                             |            |           |    |            |           |             |           | rank         | 102. |
|                             |            |           |    |            |           |             |           | rank         | 49.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 38 | 81,5 | Rel. | 73 % | <b>TYPE</b> | 1,32 |
|                  |             |       |        |       |    |      |      |      | rank        | 85.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,91  |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,58  |    |    |   |    |    |
| Body Depth            | 0,78  |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,97  |    |    |   |    |    |
| Teat Length           | -0,08 |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | -0,32 |    |    |   |    |    |
| Udder Depth           | 0,95  |    |    |   |    |    |
| Rump Width            | 0,06  |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | 0,60  |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 85,8 | <b>Frame</b> | 1,51 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,7 | <b>Dairy Strength</b> | 1,12 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 83,4 | <b>Feet &amp; Legs</b> | 0,84 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 78,2 | <b>Udder</b> | 0,38 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 113,5 |
|--|------------|-------|

rank 64.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>BELLWOOD OKRA</b> | <b>NL000181926678</b>             | <b>15.04.1996</b> | <b>BW-001</b>  |
| Country of origin    | NL                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 12.07.1996     |
|                      |                                   | NLD               | XXX            |

### Pedigree

|                        |            |                       |
|------------------------|------------|-----------------------|
| <b>Sire</b>            | <b>PGS</b> | ARLINDA MELWOOD-ET    |
| MAIZEFIELD BELLWOOD-ET |            | US000001879149        |
| US000002103297         | <b>PGD</b> | BREN-WAY BELL BETSY   |
| MEW-004                |            | US000012052401        |
| <b>Dam</b>             | <b>MGS</b> | EMPRISE BELL ELTON    |
| OKRA-ET                |            | US000001912270        |
| NL000778071488         | <b>MGD</b> | RAYFAY KAY MARK KAREN |
|                        |            | US000012607341        |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 104 | Rel. | 94 % | <b>SPI</b> | -1554 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>1944</b>                 |            |           |    | -416  |     | -8   | 0,15 | -12        | 0,02  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,31  |
|                             |            |           |    |       |     |      |      | rank       | 778.  |
|                             |            |           |    |       |     |      |      | rank       | 28.   |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 12 | Daug. | 29 | 76,9 | Rel. | 72 % | <b>TYPE</b> | 1,32 |
|                  |             |       |         |       |    |      |      | rank | 86.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,53  |    |    |   |    |    |
| Angularity            | -0,18 |    |    |   |    |    |
| Chest Width           | 0,13  |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | -0,22 |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | 0,79  |    |    |   |    |    |
| Fore Udder Attachment | -0,17 |    |    |   |    |    |
| Front Teat Placement  | 0,46  |    |    |   |    |    |
| Teat Length           | 0,21  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | 0,26  |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | -0,50 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

79,6 **Frame** 1,00

74,2 **Dairy Strength** 0,17

77,9 **Feet & Legs** 1,83

76,3 **Udder** 0,55

**SHI** 6,0

rank 350.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>VANDE DOMINANT-RED-ET</b> | <b>US000070346535</b> | <b>18.09.2011</b> | <b>MED-041</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 09.07.2012 |
|                   |                                   | US           | M12089129  |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | O-BEE MANFRED JUSTICE-ET |
| LONG-LANGS OMAN OMAN-ET   |            | US000122358313           |
| US000135746776            | <b>PGD</b> | WINNING-WAY MARCI-ET     |
|                           |            | US000130677626           |
| <b>Dam</b>                | <b>MGS</b> | PICSTON SHOTTLE-ET       |
| VANDE SHOTTLE LOTTERY-RED |            | GB000000598172           |
| US000062485988            | <b>MGD</b> | VANDE MUTANT LOGAN-RED   |
|                           |            | US000062485907           |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.      | <b>275</b> | Rel.      | <b>94 %</b> | <b>SPI</b> | <b>856</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 270.        |
| <b>1342</b>                 |            |           |           | <b>-12</b> |            | <b>16</b> | <b>0,29</b> | <b>SCS</b> | <b>2,95</b> |
|                             |            |           |           |            |            |           |             | rank       | 471.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 5</b> | Daug. | <b>46</b> | 81,4 | Rel. | <b>75 %</b> | <b>TYPE</b> | <b>1,32</b> |
|                  |             |       |               |       |           |      |      | rank        | 87.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,44  |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | 0,55  |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,95  |    |    |   |    |    |
| Front Teat Placement  | -0,03 |    |    |   |    |    |
| Teat Length           | 0,45  |    |    |   |    |    |
| Rear Udder Height     | 0,39  |    |    |   |    |    |
| Rear Udder Width      | -0,63 |    |    |   |    |    |
| Central Ligament      | 0,81  |    |    |   |    |    |
| Udder Depth           | 1,57  |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | 1,04  |    |    |   |    |    |
| Locomotion            | 0,49  |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,8 | <b>Frame</b>           | <b>1,90</b>  |
| 81,2 | <b>Dairy Strength</b>  | <b>-0,25</b> |
| 82,3 | <b>Feet &amp; Legs</b> | <b>1,21</b>  |
| 78,9 | <b>Udder</b>           | <b>0,79</b>  |
|      | <b>SHI</b>             | <b>78,7</b>  |
|      | rank                   | 127.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
 tel.: +421 - 2 - 4594 3715, 4594 3741  
 e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>MAPLE WOOD ESTIMATE-ET</b> | <b>CA000005925716</b> | <b>01.10.1993</b> | <b>PEL-015</b> |
| Country of origin             | CA                    | <b>Breed</b>      | H100           |
| Distributor                   | INSEMAS s.r.o.        | Herdbook          | HA             |
|                               |                       | Paternity         | 22.12.1993     |
|                               |                       | CAN               | 315918         |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET  |            | CA000000352790             |
| CA000000392457         | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016                |            | US000009739109             |
| <b>Dam</b>             | <b>MGS</b> | WALKWAY CHIEF MARK         |
| CALBRETT MARK LOTTO-ET |            | US000001773417             |
| CA000004434218         | <b>MGD</b> | TIKVAH TAINTED LADY        |
|                        |            | CA000004037876             |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>65</b> | Daug.      | <b>1198</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>823</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %           | rank       | 276.        |
| <b>24775</b>                |            |           |           | <b>114</b> |             | <b>21</b> | <b>0,30</b> | <b>SCS</b> | <b>3,10</b> |
|                             |            |           |           |            |             |           |             | rank       | 663.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>50 / 19</b> | Daug. | <b>392</b> | 78,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,32</b> |
|                  |             |       |                |       |            |      |      | rank        | 88.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,43  |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,54  |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | 0,17  |    |    |   |    |    |
| Fore Udder Attachment | -0,14 |    |    |   |    |    |
| Front Teat Placement  | -0,60 |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | -0,25 |    |    |   |    |    |
| Rear Udder Width      | -0,19 |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | -0,47 |    |    |   |    |    |
| Rump Width            | 1,27  |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | 0,39  |    |    |   |    |    |
| Locomotion            | 0,55  |    |    |   |    |    |
| Body Condition        | -0,00 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,7 | <b>Frame</b>           | <b>2,20</b>  |
| 78,8 | <b>Dairy Strength</b>  | <b>2,36</b>  |
| 78,7 | <b>Feet &amp; Legs</b> | <b>0,92</b>  |
| 76,4 | <b>Udder</b>           | <b>-0,79</b> |
|      | <b>SHI</b>             | <b>77,7</b>  |
|      | rank                   | 131.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                                   |                   |                |
|-------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number               | Birth date        | State Register |
| <b>NORRIELAKE CLEITUS LUKE-TWIN</b> | <b>US000002071864</b>             | <b>07.05.1988</b> | <b>CLE-005</b> |
| Country of origin                   | US                                | <b>Breed</b>      | H100           |
| Distributor                         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                     |                                   | Paternity         | 20.02.1989     |
|                                     |                                   | USA               | IG120392A      |

### Pedigree

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | SWEET-HAVEN TRADITION        |
| BIS-MAY TRADITION CLEITUS   |            | US000001682485               |
| US000001879085              | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL      |
| CLE-003                     |            | US000010192628               |
| <b>Dam</b>                  | <b>MGS</b> | S-W-D VALIANT                |
| NORRIELAKE VALIANT CHEER-ET |            | US000001650414               |
| US000012365669              | <b>MGD</b> | WIT-LANE SAWTOOTH RORAE GLAD |
|                             |            | US000009504018               |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>65</b> | Daug.      | <b>530</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>948</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 257.        |
| <b>10129</b>                |            |           |           | <b>473</b> |            | <b>0</b> | <b>-0,33</b> | <b>SCS</b> | <b>3,44</b> |
|                             |            |           |           |            |            |          |              | rank       | 1066.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>66 / 28</b> | Daug. | <b>215</b> | 78,4 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>1,32</b> |
|                  |             |       |                |       |            |      |      | rank        | 89.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,00  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | 0,50  |    |    |   |    |    |
| Rear Legs Side View   | -0,39 |    |    |   |    |    |
| Foot Angle            | 0,58  |    |    |   |    |    |
| Fore Udder Attachment | 0,21  |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | 1,09  |    |    |   |    |    |
| Udder Depth           | 0,52  |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | 0,52  |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,1 | <b>Frame</b>           | <b>0,94</b> |
| 77,0 | <b>Dairy Strength</b>  | <b>0,97</b> |
| 78,9 | <b>Feet &amp; Legs</b> | <b>2,04</b> |
| 77,4 | <b>Udder</b>           | <b>0,73</b> |
|      | <b>SHI</b>             | <b>81,2</b> |
|      | rank                   | 124.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                            |                   |                       |
|-----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>            | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>NACERADEC JONATAN-ET</b> | <b>CZ000109393021</b>      | <b>11.02.2005</b> | <b>FOM-021</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CZ             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 09.10.2006 |
|                   |                | CZ           | 5200051    |

### Pedigree

|                  |                |                             |
|------------------|----------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET | US000002163822 | LAD-009                     |
| US000017349617   | <b>PGD</b>     | CRACIN AEROSTAR MELISSA     |
| FOM-004          | US000015172400 |                             |
| <b>Dam</b>       | <b>MGS</b>     | MARA-THON BW MARSHALL-ET TV |
| CZ000007467921   | US000002290977 |                             |
|                  | <b>MGD</b>     | EVER-GREEN-VIEW ELSA-ET     |
|                  | US000129740913 |                             |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug. | 67 | Rel. | 90 %  | <b>SPI</b> | 749   |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| 1520                        |            |           |    | 517   |    | -4   | -0,42 | 2          | -0,29 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 3,28  |
|                             |            |           |    |       |    |      |       | rank       | 881.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 5 | Daug. | 15 | 79,8 | Rel. | 58 % | <b>TYPE</b> | 1,31 |
|                  |             |       |       |       |    |      |      |      | rank        | 90.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,16  |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | 0,57  |    |    |   |    |    |
| Body Depth            | 0,12  |    |    |   |    |    |
| Rump Angle            | -0,58 |    |    |   |    |    |
| Rear Legs Side View   | -0,68 |    |    |   |    |    |
| Foot Angle            | 0,58  |    |    |   |    |    |
| Fore Udder Attachment | 0,20  |    |    |   |    |    |
| Front Teat Placement  | 0,93  |    |    |   |    |    |
| Teat Length           | -0,51 |    |    |   |    |    |
| Rear Udder Height     | 0,80  |    |    |   |    |    |
| Rear Udder Width      | 1,02  |    |    |   |    |    |
| Central Ligament      | -0,04 |    |    |   |    |    |
| Udder Depth           | -0,12 |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | 0,75  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 82,7 | <b>Frame</b>           | 0,58 |
| 80,2 | <b>Dairy Strength</b>  | 1,01 |
| 80,5 | <b>Feet &amp; Legs</b> | 0,53 |
| 77,7 | <b>Udder</b>           | 1,36 |
|      | <b>SHI</b>             | 75,2 |
|      | rank                   | ...  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GELEJ ZSILETT OUTSIDE</b> | <b>HU003021656104</b> | <b>04.09.2000</b> | <b>PEL-020</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | HU             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 09.09.2001 |
|                   |                | HUN          | 24420/01   |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | RONNYBROOK PRELUDE-ET  |
| COMESTAR OUTSIDE-ET |            | CA000000392457         |
| CA000006026421      | <b>PGD</b> | COMESTAR L OR BLACK-ET |
|                     |            | CA000005311227         |
| <b>Dam</b>          | <b>MGS</b> | SKALSUMER SUNNY BOY-ET |
| AALTJE 387          |            | NL000311651443         |
| HU003021603939      | <b>MGD</b> | AALTJE 387             |
|                     |            | NL000839843241         |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>60</b> | Daug.       | <b>734</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-457</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 524.        |
| <b>14682</b>                |            |           |           | <b>-103</b> |            | <b>-2</b> | <b>0,02</b>  | <b>SCS</b> | <b>2,68</b> |
|                             |            |           |           |             |            | <b>-4</b> | <b>-0,02</b> | rank       | 166.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>21 / 15</b> | Daug. | <b>85</b> | 79,5 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>1,31</b> |
|                  |             |       |                |       |           |      |      | rank        | 91.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,90  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | -0,50 |    |    |   |    |    |
| Rear Legs Side View   | -0,71 |    |    |   |    |    |
| Foot Angle            | 0,62  |    |    |   |    |    |
| Fore Udder Attachment | 0,54  |    |    |   |    |    |
| Front Teat Placement  | 0,05  |    |    |   |    |    |
| Teat Length           | 0,20  |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | 0,03  |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | 0,86  |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,53  |    |    |   |    |    |
| Rear Teat Placement   | 0,30  |    |    |   |    |    |
| Locomotion            | 0,40  |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,1 | <b>Frame</b>           | <b>1,34</b> |
| 80,0 | <b>Dairy Strength</b>  | <b>0,81</b> |
| 80,8 | <b>Feet &amp; Legs</b> | <b>1,75</b> |
| 76,2 | <b>Udder</b>           | <b>0,14</b> |
|      | <b>SHI</b>             | <b>38,7</b> |
|      | rank                   | 237.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>JEFFREY-WAY TUITION-ET</b> | <b>US000126797167</b> | <b>01.02.1999</b> | <b>MTY-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 28.09.1999 |
|                   |                                   | USA          | IG255149A  |

### Pedigree

|                             |                |                              |
|-----------------------------|----------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | TESK-HOLM VALIANT ROCKIE     |
| RICECREST MARTY-ET          | US000001841366 | VAL-016                      |
| US000002231562              | <b>PGD</b>     | WA-DEL RC BLCKSTR MARTHA-ET  |
| TES-007                     | US000013907649 |                              |
| <b>Dam</b>                  | <b>MGS</b>     | NORRIELAKE CLEITUS LUKE-TWIN |
| JEFFREY-WAY LUKE TRIPOLI-ET | US000002071864 | CLE-005                      |
| US000015605171              | <b>MGD</b>     | JEFFREY-WAY MASCOT TINA-ET   |
|                             | US000014782894 |                              |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 41 | Daug. | 111 | Rel.  | 93 % | <b>SPI</b> | 305        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 2261                        |            |           |    | 189   | 1   | -0,13 | 0    | -0,12      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 365.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 819.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 18 / 12 | Daug. | 45 | 78,6 | Rel. | 78 % | <b>TYPE</b> | 1,30 |
|                  |             |       |         |       |    |      |      |      | rank        | 92.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,18  |    |    |   |    |    |
| Angularity            | -0,20 |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,12  |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | -0,31 |    |    |   |    |    |
| Foot Angle            | 0,79  |    |    |   |    |    |
| Fore Udder Attachment | 0,47  |    |    |   |    |    |
| Front Teat Placement  | 0,62  |    |    |   |    |    |
| Teat Length           | -0,98 |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | 1,47  |    |    |   |    |    |
| Rump Width            | 0,77  |    |    |   |    |    |
| Rear Legs Rear View   | 0,23  |    |    |   |    |    |
| Rear Teat Placement   | 0,39  |    |    |   |    |    |
| Locomotion            | -0,56 |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 82,4 | <b>Frame</b>           | 2,08 |
|                 | 76,8 | <b>Dairy Strength</b>  | 0,13 |
|                 | 79,4 | <b>Feet &amp; Legs</b> | 1,22 |
|                 | 77,2 | <b>Udder</b>           | 0,21 |
|                 |      | <b>SHI</b>             | 61,3 |
|                 |      | rank                   | 175. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>MORGON</b>     | <b>DE000113989028</b>             | <b>16.10.2003</b> | <b>FOM-013</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 30.01.2004            |
|                   |                                   | DEU               | 04/31648              |

### Pedigree

|                  |                |                             |
|------------------|----------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET | US000002163822 | LAD-009                     |
| US000017349617   | <b>PGD</b>     | CRACIN AEROSTAR MELISSA     |
| FOM-004          | US000015172400 |                             |
| <b>Dam</b>       | <b>MGS</b>     | WA-DEL CONVINCER-ET         |
| HEIDEREBE        | US000002249055 | ELN-002                     |
| DE000112353690   | <b>MGD</b>     | HEIDERO100                  |
|                  | DE000108688200 |                             |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>91</b> | Rel.       | <b>92 %</b>  | <b>SPI</b> | <b>-4108</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        | %            | rank       | 1274.        |
| <b>1656</b>                 |            |           |           | <b>-977</b> |           | <b>-27</b> | <b>0,21</b>  | <b>SCS</b> | <b>2,63</b>  |
|                             |            |           |           |             |           | <b>-31</b> | <b>-0,03</b> | rank       | 138.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 10</b> | Daug. | <b>29</b> | 79,4 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>1,30</b> |
|                  |             |       |                |       |           |      |      | rank        | 93.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,95  |    |    |   |    |    |
| Angularity            | 0,64  |    |    |   |    |    |
| Chest Width           | 0,69  |    |    |   |    |    |
| Body Depth            | 0,08  |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | -0,57 |    |    |   |    |    |
| Foot Angle            | 0,46  |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | 1,06  |    |    |   |    |    |
| Teat Length           | -0,51 |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,12 |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | 0,88  |    |    |   |    |    |
| Rump Width            | 1,14  |    |    |   |    |    |
| Rear Legs Rear View   | -0,87 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

83,0 **Frame** **1,69**

80,9 **Dairy Strength** **2,10**

77,9 **Feet & Legs** **0,13**

77,6 **Udder** **0,25**

**SHI** **-71,8**

rank 557.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>STAN-BITZIE LITUR MALCOM-ET</b> | <b>US000002258768</b>             | <b>09.06.1994</b> | <b>LIT-001</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 13.01.1995     |
|                                    |                                   | USA               | IG205852D      |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA ROTATE             |
| ROTHROCK ROTATE LITURGY-ET |            | US000001697572             |
| US000002039945             | <b>PGD</b> | WALKUP VALIANT LOU ELLA    |
|                            |            | US000010930744             |
| <b>Dam</b>                 | <b>MGS</b> | STAN-BITZIE KIRK BELL BOSS |
| STAN-BITZIE STAN ANGEL     |            | US000001882141             |
| US000013615944             | <b>MGD</b> | STAN-BITZIE TONY ANGEL     |
|                            |            | US000012288609             |

|                             |            |           |            |          |             |          |             |            |             |
|-----------------------------|------------|-----------|------------|----------|-------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>174</b> | Daug.    | <b>2859</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>460</b>  |
| Number controls             |            | <b>BV</b> |            | Milk     |             | Fat      | %           | rank       | 337.        |
| <b>56003</b>                |            |           |            | <b>4</b> |             | <b>7</b> | <b>0,11</b> | <b>SCS</b> | <b>3,83</b> |
|                             |            |           |            |          |             |          |             | rank       | 1223.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>98 / 36</b> | Daug. | <b>796</b> | 78,3 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>1,30</b> |
|                  |             |       |                |       |            |      |      | rank        | 94.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    | ■ |    |    |
| Angularity            | 0,49  |    |    | ■ |    |    |
| Chest Width           | -0,34 |    | ■  |   |    |    |
| Body Depth            | 0,13  |    |    | ■ |    |    |
| Rump Angle            | 0,56  |    |    | ■ |    |    |
| Rear Legs Side View   | 0,03  |    |    | ■ |    |    |
| Foot Angle            | 0,16  |    |    | ■ |    |    |
| Fore Udder Attachment | 0,47  |    |    | ■ |    |    |
| Front Teat Placement  | 0,09  |    |    | ■ |    |    |
| Teat Length           | 0,55  |    |    | ■ |    |    |
| Rear Udder Height     | 1,15  |    |    | ■ |    |    |
| Rear Udder Width      | 0,66  |    |    | ■ |    |    |
| Central Ligament      | 0,18  |    |    | ■ |    |    |
| Udder Depth           | 0,37  |    |    | ■ |    |    |
| Rump Width            | 0,26  |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,35  |    |    | ■ |    |    |
| Rear Teat Placement   | 0,12  |    |    | ■ |    |    |
| Locomotion            | 0,15  |    |    | ■ |    |    |
| Body Condition        | -0,48 |    |    | ■ |    |    |

daught. average

79,5 **Frame** **-0,22**

77,6 **Dairy Strength** **1,21**

78,2 **Feet & Legs** **0,68**

78,0 **Udder** **2,09**

**SHI** **65,8**

rank 158.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TULIP</b>      | <b>NL00000831039</b>              | <b>09.06.2000</b> | <b>TUL-004</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 08.08.2000     |
|                   |                                   | NLD               | 52179          |

### Pedigree

|                   |            |                         |
|-------------------|------------|-------------------------|
| <b>Sire</b>       | <b>PGS</b> | DOMAR NIGHTHAWK         |
| SUBLIEM TULIP RED |            | CA000005004326          |
| NL000815222426    | <b>PGD</b> | BATENBURG BAT TINA 824  |
| NIK-001           |            | NL000458657432          |
| <b>Dam</b>        | <b>MGS</b> | KINGLEA LEADER          |
| RED ROSE          |            | US000001926780          |
| NL000113885279    | <b>MGD</b> | STOOKEY EP BLACKROSE-ET |
|                   |            | US000014085789          |

|                             |            |           |    |             |            |             |            |             |            |
|-----------------------------|------------|-----------|----|-------------|------------|-------------|------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.       | 77         | Rel.        | 90 %       | <b>SPI</b>  | -2268      |
| Number controls             |            | <b>BV</b> |    | Milk        | Fat        | %           | Prot.      | %           | rank       |
| <b>1449</b>                 |            |           |    | <b>-581</b> | <b>-17</b> | <b>0,11</b> | <b>-16</b> | <b>0,05</b> | <b>SCS</b> |
|                             |            |           |    |             |            |             |            |             | rank       |
|                             |            |           |    |             |            |             |            |             | 174.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 5 | Daug. | 11 | 78,6 | Rel. | 52 % | <b>TYPE</b> | 1,30 |
|                  |             |       |       |       |    |      |      |      | rank        | 95.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,07 |    |    |   |    |    |
| Angularity            | 0,47  |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | -0,48 |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | 0,28  |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | 1,37  |    |    |   |    |    |
| Teat Length           | 0,17  |    |    |   |    |    |
| Rear Udder Height     | 0,79  |    |    |   |    |    |
| Rear Udder Width      | 1,41  |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | 0,74  |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | 0,90  |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>0,42</b>  |
| 79,3 | <b>Dairy Strength</b>  | <b>1,38</b>  |
| 78,8 | <b>Feet &amp; Legs</b> | <b>-0,69</b> |
| 76,6 | <b>Udder</b>           | <b>1,58</b>  |
|      | <b>SHI</b>             | <b>-16,6</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                            |                   |                       |
|---------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HIGH-SIGHTS BSTAR LIONEL</b> | <b>US000002163046</b>      | <b>12.03.1991</b> | <b>BS-024</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.11.1991 |
|                   |                                   | USA          | IG162142E  |

### Pedigree

|                             |                |                           |
|-----------------------------|----------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN  |
| TO-MAR BLACKSTAR-ET         | US000001723741 | ADM-008                   |
| US000001929410              | <b>PGD</b>     | TO-MAR WAYNE HAY          |
| CHR-002                     | US000009804790 |                           |
| <b>Dam</b>                  | <b>MGS</b>     | BIS-MAY TRADITION CLEITUS |
| HIGH-SIGHTS CLEITUS LANA-ET | US000001879085 | CLE-003                   |
| US000013593240              | <b>MGD</b>     | WALKUP BELL LOU ETTA      |
|                             | US000011730637 |                           |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.       | <b>931</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2093</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 893.         |
| <b>17324</b>                |            |           |           | <b>-511</b> |            | <b>-16</b> | <b>0,07</b> | <b>SCS</b> | <b>2,98</b>  |
|                             |            |           |           |             |            | <b>-15</b> | <b>0,02</b> | rank       | 514.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>67 / 24</b> | Daug. | <b>197</b> | 77,3 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>1,29</b> |
|                  |             |       |                |       |            |      |      | rank        | 96.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,54  |    |    |   |    |    |
| Angularity            | 0,66  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,53 |    |    |   |    |    |
| Rear Legs Side View   | -0,68 |    |    |   |    |    |
| Foot Angle            | 0,19  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,69 |    |    |   |    |    |
| Teat Length           | 1,00  |    |    |   |    |    |
| Rear Udder Height     | 0,59  |    |    |   |    |    |
| Rear Udder Width      | 0,68  |    |    |   |    |    |
| Central Ligament      | 0,78  |    |    |   |    |    |
| Udder Depth           | 0,37  |    |    |   |    |    |
| Rump Width            | -0,37 |    |    |   |    |    |
| Rear Legs Rear View   | -0,70 |    |    |   |    |    |
| Rear Teat Placement   | 0,30  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,4 | <b>Frame</b> | <b>0,51</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 75,5 | <b>Dairy Strength</b> | <b>1,95</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,1 | <b>Feet &amp; Legs</b> | <b>0,27</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,7 | <b>Udder</b> | <b>1,35</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-11,4</b> |
|--|------------|--------------|

rank 394.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>AIMAR</b>      | <b>FR008538921289</b>             | <b>04.12.2005</b> | <b>PEL-047</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 29.03.2006     |
|                   |                                   | FR                | F/S 335820     |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET |            | IT006001001962         |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033            |            | CA000005373153         |
| <b>Dam</b>         | <b>MGS</b> | JESTHER-ET             |
| SALLE              |            | FR005994022699         |
| FR008538925605     | <b>MGD</b> | NATTE                  |
|                    |            | FR008597030244         |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.      | 441 | Rel.     | 97 %         | <b>SPI</b> | 2563         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | rank       | 56.          |
| <b>7000</b>                 |            |           |    | <b>985</b> |     | <b>7</b> | <b>-0,51</b> | <b>16</b>  | <b>-0,28</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | 2,48         |
|                             |            |           |    |            |     |          |              | rank       | 73.          |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 9 | Daug. | 123 | 81,5 | Rel. | 89 % | <b>TYPE</b> | 1,29 |
|                  |             |       |        |       |     |      |      | rank | 97.         |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,86  |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | 0,39  |    |    |   |    |    |
| Fore Udder Attachment | 0,57  |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | 0,33  |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | 0,48  |    |    |   |    |    |
| Central Ligament      | 0,13  |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | 0,47  |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

85,9 **Frame** 1,00

81,6 **Dairy Strength** 0,50

83,0 **Feet & Legs** 0,65

78,4 **Udder** 1,15

**SHI** 128,9

rank 43.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>BRIGEEN GIVENCHY-ET</b> | <b>US000128226159</b> | <b>01.09.1999</b> | <b>SOM-009</b> |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 03.11.2000     |
|                            |                       | CAN               | BTIG262315A    |

### Pedigree

|                         |            |                          |
|-------------------------|------------|--------------------------|
| <b>Sire</b>             | <b>PGS</b> | MADAWASKA AEROSTAR       |
| MAUGHLIN STORM-ET       |            | CA000000383622           |
| CA000005457798          | <b>PGD</b> | WYKHOLME DEWDROP TACY-ET |
|                         |            | CA000004467150           |
| <b>Dam</b>              | <b>MGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| BRIGEEN MANDEL GOLDA-ET |            | US000002119526           |
| US000015827717          | <b>MGD</b> | ROYLANE LEADMAN GLORY-ET |
|                         |            | US000014670244           |

|                             |            |           |           |            |             |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>90</b> | Daug.      | <b>2227</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>1745</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 130.         |
| <b>42926</b>                |            |           |           | <b>570</b> |             | <b>19</b> | <b>-0,06</b> | <b>7</b>   | <b>-0,22</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,58</b>  |
|                             |            |           |           |            |             |           |              | rank       | 112.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>69 / 18</b> | Daug. | <b>368</b> | 79,4 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>1,29</b> |
|                  |             |       |                |       |            |      |      | rank        | 98.         |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,25  |    |    |   |    |    |
| Angularity            | 0,79  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,34  |    |    |   |    |    |
| Rump Angle            | -0,17 |    |    |   |    |    |
| Rear Legs Side View   | 0,31  |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | 0,49  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | 0,63  |    |    |   |    |    |
| Rear Udder Width      | 0,81  |    |    |   |    |    |
| Central Ligament      | 0,18  |    |    |   |    |    |
| Udder Depth           | 0,37  |    |    |   |    |    |
| Rump Width            | -0,13 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,47 |    |    |   |    |    |

daught. average

82,9 **Frame** **0,34**

80,6 **Dairy Strength** **2,02**

78,4 **Feet & Legs** **-0,18**

77,5 **Udder** **1,49**

**SHI** **104,1**

rank 82.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>LIEK-ET</b>   | <b>DE000580392685</b> | <b>12.08.2005</b> | <b>LOG-011</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.10.2005 |
|                   |                                   | DE           | 05/41676   |

### Pedigree

|                |            |                    |         |
|----------------|------------|--------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | MASAL LUCKY RED-ET |         |
| LUDOX          |            | US000002228267     |         |
| DE000578720303 | <b>PGD</b> | MAIKE              |         |
| LOG-010        |            | DE000577226099     |         |
| <b>Dam</b>     | <b>MGS</b> | COMESTAR LEE-ET    |         |
| RH MEGGILE     |            | CA000005757117     | RAR-001 |
| DE000578236019 | <b>MGD</b> | RH MEGGY           |         |
|                |            | DE000577087100     |         |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 277 | Rel. | 96 %  | <b>SPI</b> | -300       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 4224                        |            |           |    | -381  | 7   | 0,42 | 1     | 0,29       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 484.       |
|                             |            |           |    |       |     |      |       |            | 3,37       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 999.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 3 | Daug. | 33 | 80,3 | Rel. | 71 % | <b>TYPE</b> | 1,28 |
|                  |             |       |       |       |    |      |      |      | rank        | 99.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,32  |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | -0,51 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | -0,07 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | 0,13  |    |    |   |    |    |
| Teat Length           | 0,07  |    |    |   |    |    |
| Rear Udder Height     | 0,31  |    |    |   |    |    |
| Rear Udder Width      | 0,09  |    |    |   |    |    |
| Central Ligament      | 0,60  |    |    |   |    |    |
| Udder Depth           | 0,48  |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | 1,36  |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,74 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 84,2 | <b>Frame</b> | 1,19 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 80,9 | <b>Dairy Strength</b> | 0,03 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 82,0 | <b>Feet &amp; Legs</b> | 0,66 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,3 | <b>Udder</b> | 1,16 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 42,3 |
|--|------------|------|

rank 224.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>SPURIUS-ET</b> | <b>DE000114118268</b>             | <b>25.10.2003</b> | <b>SOM-008</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 30.01.2004            |
|                   |                                   | DEU               | 04/31632              |

### Pedigree

|                       |            |                       |
|-----------------------|------------|-----------------------|
| <b>Sire</b>           | <b>PGS</b> | MAUGHLIN STORM-ET     |
| COMESTAR STORMATIC-ET |            | CA000005457798        |
| CA000006947936        | <b>PGD</b> | COMESTAR LAUSAN BLACK |
| SOM-006               |            | CA000005319830        |
| <b>Dam</b>            | <b>MGS</b> | ETAZON LORD LILY-ET   |
| CONGO                 |            | NL000780180664        |
| DK002441200975        | <b>MGD</b> | CLASSIC               |
|                       |            | DK002441200728        |

|                             |            |           |           |          |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|----------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.    | <b>108</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1270</b> |
| Number controls             |            | <b>BV</b> |           | Milk     |            | Fat        | %            | rank       | 710.         |
| <b>2185</b>                 |            |           |           | <b>9</b> |            | <b>-21</b> | <b>-0,41</b> | <b>SCS</b> | <b>3,38</b>  |
|                             |            |           |           |          |            |            | <b>-11</b>   | rank       | 1007.        |
|                             |            |           |           |          |            |            | <b>-0,26</b> |            |              |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 10</b> | Daug. | <b>25</b> | 78,8 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>1,28</b> |
|                  |             |       |                |       |           |      |      | rank        | 100.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,18  |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 0,58  |    |    |   |    |    |
| Rear Legs Side View   | -0,59 |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,55  |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | 0,37  |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 0,07  |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | 0,80  |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,4 | <b>Frame</b> | <b>1,30</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,4 | <b>Dairy Strength</b> | <b>0,80</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,2 | <b>Feet &amp; Legs</b> | <b>1,08</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,1 | <b>Udder</b> | <b>0,80</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>12,9</b> |
|--|------------|-------------|

rank 322.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                       |
|---------------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>                | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>KERNDT GRUMPY THUNDER-ET</b> | <b>US000207497168</b>             | <b>04.03.2003</b> | <b>RUH-015</b>        |
| Country of origin               | US                                | <b>Breed</b>      | H100                  |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                                 |                                   | Paternity         | 02.10.2003            |
|                                 |                                   | US                | IG014444A             |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | STARTMORE RUDOLPH-ET       |
| TIMLYNN ADAM-ET         |            | CA000005470579             |
| US000017365628          | <b>PGD</b> | TIMLYNN WINKEN APRIL-ET    |
| RUH-009                 |            | US000015395352             |
| <b>Dam</b>              | <b>MGS</b> | CAROL PRELUDE MTOTO-ET     |
| KERNDT MATTIE GRUMPY-ET |            | IT006001001962             |
| US000207128752          | <b>MGD</b> | KERNDT MEXIE REMARK MATTIE |
|                         |            | US000017045274             |

|                             |            |           |   |       |    |      |       |            |       |
|-----------------------------|------------|-----------|---|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 9 | Daug. | 64 | Rel. | 90 %  | <b>SPI</b> | 895   |
| Number controls             |            | <b>BV</b> |   | Milk  |    | Fat  | %     | Prot.      | %     |
| 1391                        |            |           |   | 381   |    | -1   | -0,44 | 10         | -0,05 |
|                             |            |           |   |       |    |      |       | <b>SCS</b> | 2,85  |
|                             |            |           |   |       |    |      |       | rank       | ...   |
|                             |            |           |   |       |    |      |       | rank       | ...   |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 4 | Daug. | 50 | 81,2 | Rel. | 79 % | <b>TYPE</b> | 1,27 |
|                  |             |       |        |       |    |      |      |      | rank        | 101. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | 0,27  |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | -0,61 |    |    |   |    |    |
| Foot Angle            | 0,06  |    |    |   |    |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | 0,55  |    |    |   |    |    |
| Teat Length           | 0,00  |    |    |   |    |    |
| Rear Udder Height     | -0,10 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,55  |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,75  |    |    |   |    |    |
| Rear Legs Rear View   | 0,71  |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

daught. average

83,6 **Frame** 0,58

80,9 **Dairy Strength** 1,47

82,6 **Feet & Legs** 1,08

79,5 **Udder** 1,10

**SHI** 77,8

rank 130.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>SOUTHLAND DELANO</b> | <b>NL000896898152</b> | <b>02.08.2011</b> | <b>MED-047</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 13.06.2012 |
|                   |                                   | NL           | 395622     |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | O-BEE MANFRED JUSTICE-ET |
| FLEVO GENETICS SNOWMAN-ET |            | US000122358313           |
| NL000388965513            | <b>PGD</b> | BROEKS MBM ELSA-ET       |
|                           |            | CZ000007434921           |
| <b>Dam</b>                | <b>MGS</b> | ROUMARE                  |
| SOUTHLAND DELLIA 152      |            | FR002217051448           |
| NL000487967935            | <b>MGD</b> | SOUTHLAND DELLIA 130     |
|                           |            | NL000416187409           |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>16</b> | Daug.       | <b>110</b> | Rel.      | <b>84 %</b>  | <b>SPI</b> | <b>4299</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 11.         |
| <b>348</b>                  |            |           |           | <b>1088</b> |            | <b>32</b> | <b>-0,16</b> | <b>SCS</b> | <b>2,11</b> |
|                             |            |           |           |             |            | <b>30</b> | <b>-0,08</b> | rank       | 10.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 6</b> | Daug. | <b>41</b> | 83,0 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>1,27</b> |
|                  |             |       |               |       |           |      |      | rank        | 102.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,02  |    |    |   |    |    |
| Angularity            | 1,07  |    |    |   |    |    |
| Chest Width           | -1,08 |    |    |   |    |    |
| Body Depth            | -0,76 |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | -0,37 |    |    |   |    |    |
| Foot Angle            | 0,43  |    |    |   |    |    |
| Fore Udder Attachment | 0,80  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -1,08 |    |    |   |    |    |
| Rear Udder Height     | 1,22  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,52 |    |    |   |    |    |
| Udder Depth           | 1,22  |    |    |   |    |    |
| Rump Width            | -0,82 |    |    |   |    |    |
| Rear Legs Rear View   | -0,10 |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | 0,39  |    |    |   |    |    |
| Body Condition        | -1,04 |    |    |   |    |    |

daught. average

85,5 **Frame** **0,38**

81,7 **Dairy Strength** **0,05**

84,8 **Feet & Legs** **1,46**

81,5 **Udder** **1,22**

**SHI** **180,4**

rank 11.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>ORLIN-ET</b>  | <b>DE001265237672</b> | <b>09.11.2010</b> | <b>BES-023</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 21.12.2010 |
|                   |                                   | DE           | 10/8498    |

### Pedigree

|                         |            |                             |         |
|-------------------------|------------|-----------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | APPLOUIS JET STREAM-ET      |         |
| LAESCHWAY JET BOWSER-ET |            | US000130558361              |         |
| US000064872951          | <b>PGD</b> | SCHAULANE BOLIVER BRANDI-ET |         |
|                         |            | US000061975564              |         |
| <b>Dam</b>              | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |         |
| FUSTEAD OMAN SAMMY      |            | US000122358313              | MED-012 |
| US000061436655          | <b>MGD</b> | VELVET-VIEW SAHARA          |         |
|                         |            | US000133126026              |         |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>611</b> | Rel.     | <b>98 %</b>  | <b>SPI</b> | <b>2769</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 50.         |
| <b>5023</b>                 |            |           |           | <b>557</b> |            | <b>7</b> | <b>-0,26</b> | <b>28</b>  | <b>0,21</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,38</b> |
|                             |            |           |           |            |            |          |              | rank       | 1011.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 12</b> | Daug. | <b>111</b> | 81,1 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>1,26</b> |
|                  |             |       |                |       |            |      |      | rank        | 103.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,21  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,25  |    |    |   |    |    |
| Body Depth            | -0,19 |    |    |   |    |    |
| Rump Angle            | 0,60  |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | 0,71  |    |    |   |    |    |
| Fore Udder Attachment | 0,85  |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | 1,21  |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,74 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,9 | <b>Frame</b> | <b>1,76</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,0 | <b>Dairy Strength</b> | <b>0,14</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,1 | <b>Feet &amp; Legs</b> | <b>1,58</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,8 | <b>Udder</b> | <b>0,05</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>134,0</b> |
|--|------------|--------------|

rank 34.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>VAJHATI COWBOY BLITZ</b> | <b>HU003220172258</b> | <b>15.09.2003</b> | <b>EMY-005</b> |
| Country of origin           | HU                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 12.05.2005     |
|                             |                       | HUN               | 69868          |

### Pedigree

|                        |            |                        |
|------------------------|------------|------------------------|
| <b>Sire</b>            | <b>PGS</b> | MJR BLACKSTAR EMORY-ET |
| FUSTEAD EMORY BLITZ-ET |            | US000002114601         |
| US000017013604         | <b>PGD</b> | FUSTEAD TESK BEV       |
|                        |            | US000014947858         |
| <b>Dam</b>             | <b>MGS</b> | MAUGHLIN STORM-ET      |
| LELKES                 |            | CA000005457798         |
| HU003025968678         | <b>MGD</b> | LELKES                 |
|                        |            | HU003000297014         |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 89  | Rel.  | 92 %  | <b>SPI</b> | 1226       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1787                        |            |           |    | 590   | 12  | -0,19 | 1     | -0,34      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 202.       |
|                             |            |           |    |       |     |       |       |            | 729.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 15 | 78,9 | Rel. | 57 % | <b>TYPE</b> | 1,26 |
|                  |             |       |       |       |    |      |      |      | rank        | 104. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 2,10  |    |    |   |    |    |
| Angularity            | 0,47  |    |    |   |    |    |
| Chest Width           | -0,17 |    |    |   |    |    |
| Body Depth            | -0,56 |    |    |   |    |    |
| Rump Angle            | 1,00  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | 0,67  |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | -0,00 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,46  |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | 0,74  |    |    |   |    |    |
| Udder Depth           | 0,82  |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | 0,07  |    |    |   |    |    |
| Rear Teat Placement   | 0,42  |    |    |   |    |    |
| Locomotion            | -0,35 |    |    |   |    |    |
| Body Condition        | -0,50 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 84,9 | <b>Frame</b>           | 2,18 |
| 78,9 | <b>Dairy Strength</b>  | 0,58 |
| 77,5 | <b>Feet &amp; Legs</b> | 0,33 |
| 76,7 | <b>Udder</b>           | 0,64 |
|      | <b>SHI</b>             | 87,3 |
|      | rank                   | ...  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>LADYS-MANOR AGRESSIVE-ET</b> | <b>US000135886652</b> | <b>09.11.2004</b> | <b>SOM-019</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.10.2005 |
|                   |                | CA           | DC148065   |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | MAUGHLIN STORM-ET      |
| HARTLINE TITANIC-ET |            | CA000005457798         |
| US000123066734      | <b>PGD</b> | DOCO LEADMAN TENACIOUS |
| SOM-007             |            | US000014734618         |
| <b>Dam</b>          | <b>MGS</b> | DIXIE-LEE AARON-ET     |
| LADYS-MANOR AUTUMN  |            | US000002265005         |
| US000060093782      | <b>MGD</b> | LADYS-MANOR TOREE-ET   |
|                     |            | US000121477095         |

|                             |            |           |           |            |           |              |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.      | <b>58</b> | Rel.         | <b>89 %</b> | <b>SPI</b> | <b>-828</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Prot.        |             | rank       | 608.        |
| <b>943</b>                  |            |           |           | <b>-85</b> | <b>-5</b> | <b>-0,05</b> | <b>-9</b>   | <b>SCS</b> | <b>3,39</b> |
|                             |            |           |           |            |           |              |             | rank       | 1020.       |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>29</b> | 78,5 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>1,25</b> |
|                  |             |       |               |       |           |      |      | rank        | 105.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,10  |    |    |   |    |    |
| Angularity            | -0,07 |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,64 |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | -1,27 |    |    |   |    |    |
| Foot Angle            | 0,78  |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | 0,44  |    |    |   |    |    |
| Teat Length           | 0,07  |    |    |   |    |    |
| Rear Udder Height     | 0,92  |    |    |   |    |    |
| Rear Udder Width      | 0,71  |    |    |   |    |    |
| Central Ligament      | 0,89  |    |    |   |    |    |
| Udder Depth           | 0,98  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | 1,32  |    |    |   |    |    |
| Rear Teat Placement   | 0,57  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,6 | <b>Frame</b> | <b>0,96</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,1 | <b>Dairy Strength</b> | <b>-0,81</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,0 | <b>Feet &amp; Legs</b> | <b>1,85</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,6 | <b>Udder</b> | <b>1,58</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>24,9</b> |
|--|------------|-------------|

rank 266.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>GENOS HAGGART-ET</b> | <b>CZ000019887071</b>             | <b>14.08.2003</b> | <b>FOM-012</b> |
| Country of origin       | CZ                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 10.06.2004     |
|                         |                                   | CSK               | 0400677        |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET          |            | US000002163822              |
| US000017349617            | <b>PGD</b> | CRACIN AEROSTAR MELISSA     |
| FOM-004                   |            | US000015172400              |
|                           |            | LAD-009                     |
| <b>Dam</b>                | <b>MGS</b> | COMESTAR OUTSIDE-ET         |
| BEAVER RAY OUTSIDE MIRANA |            | CA000006026421              |
| CA000010676041            | <b>MGD</b> | BEAVER RAY SKYCHIEF MIRA    |
|                           |            | CA000006531297              |

|                             |            |           |    |            |    |           |             |            |              |
|-----------------------------|------------|-----------|----|------------|----|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug.      | 83 | Rel.      | 92 %        | <b>SPI</b> | 1304         |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %           | Prot.      | %            |
| <b>1656</b>                 |            |           |    | <b>387</b> |    | <b>20</b> | <b>0,08</b> | <b>3</b>   | <b>-0,18</b> |
|                             |            |           |    |            |    |           |             | <b>SCS</b> | 2,89         |
|                             |            |           |    |            |    |           |             | rank       | 186.         |
|                             |            |           |    |            |    |           |             | rank       | 376.         |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 19 / 12 | Daug. | 28 | 79,1 | Rel. | 70 % | <b>TYPE</b> | 1,25 |
|                  |             |       |         |       |    |      |      |      | rank        | 106. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,75  |    |    |   |    |    |
| Angularity            | -0,43 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | -0,48 |    |    |   |    |    |
| Foot Angle            | 0,20  |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | 0,98  |    |    |   |    |    |
| Teat Length           | -1,00 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | -0,26 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | 0,61  |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | 0,29  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,2 | <b>Frame</b> | 1,39 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 77,9 | <b>Dairy Strength</b> | 0,04 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 79,1 | <b>Feet &amp; Legs</b> | 1,02 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,5 | <b>Udder</b> | 0,75 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 89,2 |
|--|------------|------|

rank 106.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                      |                   |                |
|------------------|----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number  | Birth date        | State Register |
| <b>LOUDINO</b>   | <b>DE00000671162</b> | <b>29.07.2002</b> | <b>JAT-004</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 24.09.2002 |
|                   |                                   | DEU          | 02/9597    |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA CLEITUS JABOT       |
| LOUDHOEVE      |            | NL000316419721            |
| NL000141080516 | <b>PGD</b> | PIETJE 491                |
|                |            | NL000706599761            |
| <b>Dam</b>     | <b>MGS</b> | MJR BLACKSTAR EMORY-ET    |
| JOKER          |            | US000002114601            |
| DE000577297705 | <b>MGD</b> | FARNEAR MAS JACKI JADE-ET |
|                |            | US000014848361            |

|                             |            |           |           |            |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>82</b> | Rel.       | <b>92 %</b>  | <b>SPI</b> | <b>-1170</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat        |              | rank       | 688.         |
| <b>1677</b>                 |            |           |           | <b>-72</b> |           | <b>-22</b> | <b>-0,38</b> | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |            |           | <b>-7</b>  | <b>-0,12</b> | rank       | 607.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 10</b> | Daug. | <b>23</b> | 80,0 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>1,24</b> |
|                  |             |       |                |       |           |      |      | rank        | 107.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,36  |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | -0,23 |    |    |   |    |    |
| Body Depth            | -0,78 |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | -0,56 |    |    |   |    |    |
| Foot Angle            | 0,80  |    |    |   |    |    |
| Fore Udder Attachment | 0,41  |    |    |   |    |    |
| Front Teat Placement  | 0,80  |    |    |   |    |    |
| Teat Length           | 0,32  |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | 0,45  |    |    |   |    |    |
| Central Ligament      | 0,50  |    |    |   |    |    |
| Udder Depth           | 0,94  |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | -0,64 |    |    |   |    |    |
| Rear Teat Placement   | 0,98  |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,2 | <b>Frame</b> | <b>1,64</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,0 | <b>Dairy Strength</b> | <b>-0,53</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,5 | <b>Feet &amp; Legs</b> | <b>0,76</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,9 | <b>Udder</b> | <b>1,01</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>14,4</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>STANLEY-ET</b> | <b>DE000579271216</b>             | <b>28.01.2001</b> | <b>SOG-008</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 26.02.2001     |
|                   |                                   | DE                | 01/3448        |

### Pedigree

|                |            |                            |
|----------------|------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b> | STOLLBERG                  |
| STADEL RED     |            | DE000605543976             |
| DE001015240086 | <b>PGD</b> | DOUBLETTE                  |
|                |            | DE001015106572             |
| <b>Dam</b>     | <b>MGS</b> | CRACIN SWEET BINGLE RED-ET |
| CHRISSI        |            | US000002104615             |
| DE000577013685 | <b>MGD</b> | CHRISTINA                  |
|                |            | DE000505947360             |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>42</b> | Daug.       | <b>869</b> | Rel.        | <b>99 %</b> | <b>SPI</b> | <b>-2135</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat         | %           | rank       | 902.         |
| <b>17529</b>                |            |           |           | <b>-654</b> | <b>-13</b> | <b>0,24</b> | <b>-14</b>  | <b>SCS</b> | <b>3,42</b>  |
|                             |            |           |           |             |            |             |             | rank       | 1042.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 6</b> | Daug. | <b>128</b> | 79,1 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>1,24</b> |
|                  |             |       |               |       |            |      |      | rank        | 108.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,42  |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | -0,62 |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,65  |    |    |   |    |    |
| Front Teat Placement  | 0,74  |    |    |   |    |    |
| Teat Length           | -0,63 |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | -0,10 |    |    |   |    |    |
| Udder Depth           | 1,19  |    |    |   |    |    |
| Rump Width            | 0,81  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | 0,53  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,60  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,6 | <b>Frame</b>           | <b>0,82</b>  |
| 79,3 | <b>Dairy Strength</b>  | <b>0,11</b>  |
| 79,2 | <b>Feet &amp; Legs</b> | <b>0,61</b>  |
| 77,4 | <b>Udder</b>           | <b>1,44</b>  |
|      | <b>SHI</b>             | <b>-14,7</b> |
|      | rank                   | 411.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>OH-RYAN GARTER DYNAMITE-ET</b> | <b>US000133381795</b> | <b>09.10.2002</b> | <b>LAB-004</b> |

|                   |                                   |              |             |
|-------------------|-----------------------------------|--------------|-------------|
| Country of origin | US                                | <b>Breed</b> | H100        |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA          |
|                   |                                   | Paternity    | 03.04.2003  |
|                   |                                   | US           | IMMGN 9463A |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | RICKLAND LABAN PROJECTOR |
| WELCOME GARTER-ET      |            | US000002127399           |
| US000017131025         | <b>PGD</b> | WELCOME MOUNTAIN GALE-ET |
| LAB-002                |            | US000015579402           |
| <b>Dam</b>             | <b>MGS</b> | MAUGHLIN STORM-ET        |
| KINBUR STORMY DELLA-ET |            | CA000005457798           |
| US000122162633         | <b>MGD</b> | SNOW-N DESTINYS BETIA    |
|                        |            | US000014882656           |

|                             |            |           |    |       |      |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|------|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 72 | Daug. | 1399 | Rel.  | 99 % | <b>SPI</b> | 41          |
| Number controls             |            | <b>BV</b> |    | Milk  |      | Fat   | %    | Prot.      | %           |
| <b>30311</b>                |            |           |    | 63    | 3    | -0,01 | -2   | -0,09      | <b>SCS</b>  |
|                             |            |           |    |       |      |       |      |            | rank        |
|                             |            |           |    |       |      |       |      |            | 418.        |
|                             |            |           |    |       |      |       |      |            | <b>rank</b> |
|                             |            |           |    |       |      |       |      |            | 750.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 74 / 22 | Daug. | 522 | 79,8 | Rel. | 97 % | <b>TYPE</b> | 1,24 |
|                  |             |       |         |       |     |      |      |      | rank        | 109. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,81  |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | 0,37  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | 0,31  |    |    |   |    |    |
| Teat Length           | -0,08 |    |    |   |    |    |
| Rear Udder Height     | 0,48  |    |    |   |    |    |
| Rear Udder Width      | 0,51  |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | 0,33  |    |    |   |    |    |
| Rear Teat Placement   | -0,16 |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,8 | <b>Frame</b> | 0,67 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 80,3 | <b>Dairy Strength</b> | 0,49 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 80,5 | <b>Feet &amp; Legs</b> | 1,68 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,2 | <b>Udder</b> | 1,01 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 50,8 |
|--|------------|------|

rank 203.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HENDEL BIGSTONE-ET</b> | <b>US000065283042</b>      | <b>03.12.2007</b> | <b>LU-047</b>         |
| Country of origin         | US                         | <b>Breed</b>      | H100                  |
| Distributor               | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                           |                            | Paternity         | 07.08.2008            |
|                           |                            | CA                | DC213276              |

### Pedigree

|                            |                |                             |
|----------------------------|----------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b>     | LEXVOLD LUKE HERSHEL-ET     |
| SANDY-VALLEY BOLTON-ET     | US000002294436 | LU-013                      |
| US000131823833             | <b>PGD</b>     | SANDY-VALLEY BLESSING-ET    |
|                            | US000128824973 |                             |
| <b>Dam</b>                 | <b>MGS</b>     | O-BEE MANFRED JUSTICE-ET    |
| GLEN-D-HAVEN OMAN BIFFY-ET | US000122358313 | MED-012                     |
| US000052323638             | <b>MGD</b>     | GLEN-D-HAVEN AARON BAMBI-ET |
|                            | US000050426692 |                             |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 308 | Rel.  | 96 % | <b>SPI</b> | 2833        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 2809                        |            |           |    | 586   | 20  | -0,05 | 23   | 0,09       | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 46.         |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 305.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 7 | Daug. | 23 | 81,5 | Rel. | 63 % | <b>TYPE</b> | 1,24 |
|                  |             |       |       |       |    |      |      |      | rank        | 110. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,75  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,25  |    |    |   |    |    |
| Fore Udder Attachment | 1,00  |    |    |   |    |    |
| Front Teat Placement  | 0,68  |    |    |   |    |    |
| Teat Length           | 0,01  |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | -0,27 |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 1,10  |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | 0,51  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,6 | <b>Frame</b>           | <b>0,98</b>  |
| 82,5 | <b>Dairy Strength</b>  | <b>0,61</b>  |
| 82,8 | <b>Feet &amp; Legs</b> | <b>0,68</b>  |
| 78,8 | <b>Udder</b>           | <b>0,99</b>  |
|      | <b>SHI</b>             | <b>134,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>SUNNYLODGE JENITOR-ET</b> | <b>CA000010711801</b> | <b>26.02.2000</b> | <b>PEL-026</b> |
| Country of origin            | CA                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 26.07.2000     |
|                              |                       | CAN               | BT454541       |

### Pedigree

|                                |            |                        |
|--------------------------------|------------|------------------------|
| <b>Sire</b>                    | <b>PGS</b> | RONNYBROOK PRELUDE-ET  |
| CAROL PRELUDE MTOTO-ET         |            | CA000000392457         |
| IT006001001962                 | <b>PGD</b> | BLACKSTAR BETSY-ET     |
|                                |            | US000014459466         |
| <b>Dam</b>                     | <b>MGS</b> | DOMBINATOR-ET          |
| SUNNYLODGE DOMBINATOR JENNY-ET |            | NL000316418898         |
| CA000006552194                 | <b>MGD</b> | SUNNYLODGE JENNIFER-ET |
|                                |            | CA000005858134         |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>73</b> | Daug.      | <b>1138</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>804</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %           | Prot.      | %           |
| <b>20858</b>                |            |           |           | <b>-42</b> |             | <b>15</b> | <b>0,30</b> | <b>7</b>   | <b>0,18</b> |
|                             |            |           |           |            |             |           |             | <b>SCS</b> | <b>2,69</b> |
|                             |            |           |           |            |             |           |             | rank       | 279.        |
|                             |            |           |           |            |             |           |             | rank       | 172.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 13</b> | Daug. | <b>243</b> | 79,2 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>1,24</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 111.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,64  |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | -0,33 |    |    |   |    |    |
| Body Depth            | -0,15 |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | 0,59  |    |    |   |    |    |
| Front Teat Placement  | 0,36  |    |    |   |    |    |
| Teat Length           | -0,53 |    |    |   |    |    |
| Rear Udder Height     | 0,52  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 1,18  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,07  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | -0,47 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 82,8 | <b>Frame</b>           | <b>0,57</b> |
| 79,7 | <b>Dairy Strength</b>  | <b>1,07</b> |
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,43</b> |
| 77,3 | <b>Udder</b>           | <b>1,27</b> |
|      | <b>SHI</b>             | <b>73,7</b> |
|      | rank                   | 141.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>SEWARDS-FOLLY GERONIMO-ET</b> | <b>US000061790446</b>             | <b>08.06.2004</b> | <b>FOM-016</b> |
| Country of origin                | US                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 11.11.2004     |
|                                  |                                   | USA               | HU2004001811   |

### Pedigree

**Sire** **PGS** SHEN-VAL NV LM FORMATION-ET  
TIMLYNN THRONE-ET  
US000017365519  
US000002163822 LAD-009

**PGD** RAGANCREST HUNTER TIFFANY  
US000015716255

**Dam** **MGS** STARTMORE RUDOLPH-ET  
GATEWAY-ACRES DAPHNE-ET  
US000121675019  
CA000005470579 ARS-015

**MGD** WAY-CIN ROYAL DUNN  
US000015084363

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 81  | Rel. | 92 %  | <b>SPI</b> | -1304      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1566</b>                 |            |           |    | -302  | -9  | 0,05 | -10   | -0,02      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 713.       |
|                             |            |           |    |       |     |      |       |            | 119.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 7 | Daug. | 22 | 79,4 | Rel. | 63 % | <b>TYPE</b> | 1,23 |
|                  |             |       |        |       |    |      |      |      | rank        | 112. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,26  |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | 0,42  |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | -0,16 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | 0,39  |    |    |   |    |    |
| Front Teat Placement  | 0,84  |    |    |   |    |    |
| Teat Length           | 0,43  |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | 0,47  |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,49  |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

83,6 **Frame** 1,80

79,1 **Dairy Strength** 0,31

78,6 **Feet & Legs** -0,29

78,0 **Udder** 1,04

**SHI** 9,9

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>BOMAZ OMAN KRAMER 561-ET</b> | <b>US000061802729</b>             | <b>14.04.2004</b> | <b>MED-020</b> |
| Country of origin               | US                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 26.11.2004     |
|                                 |                                   | US                | M04001263      |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | LEXVOLD LUKE HERSHEL-ET     |
| BOMAZ HERSHEL 2387-ET    |            | US000002294436              |
| US000060413656           | <b>MGD</b> | DALSE BOMAZ-1551            |
|                          |            | US000120838747              |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>825</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>4466</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | rank       | 7.          |
| <b>14815</b>                |            |           |           | <b>1271</b> |            | <b>29</b> | <b>-0,31</b> | <b>SCS</b> | <b>2,70</b> |
|                             |            |           |           |             |            | <b>30</b> | <b>-0,18</b> | rank       | 187.        |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>123 / 20</b> | Daug. | <b>470</b> | 81,4 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,22</b> |
|                  |             |       |                 |       |            |      |      | rank        | 113.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,77  |    |    |   |    |    |
| Angularity            | -0,11 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | 0,03  |    |    |   |    |    |
| Rear Legs Side View   | -0,86 |    |    |   |    |    |
| Foot Angle            | 0,70  |    |    |   |    |    |
| Fore Udder Attachment | 0,59  |    |    |   |    |    |
| Front Teat Placement  | 0,35  |    |    |   |    |    |
| Teat Length           | -0,28 |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | -0,05 |    |    |   |    |    |
| Central Ligament      | -0,25 |    |    |   |    |    |
| Udder Depth           | 1,14  |    |    |   |    |    |
| Rump Width            | 0,51  |    |    |   |    |    |
| Rear Legs Rear View   | 0,37  |    |    |   |    |    |
| Rear Teat Placement   | 0,20  |    |    |   |    |    |
| Locomotion            | 0,40  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,1 | <b>Frame</b> | <b>1,17</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,0 | <b>Dairy Strength</b> | <b>0,26</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,4 | <b>Feet &amp; Legs</b> | <b>2,80</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 78,9 | <b>Udder</b> | <b>-0,04</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>183,6</b> |
|--|------------|--------------|

rank 10.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>BUSLAK MORTY PLUTO-ET</b> | <b>SK000673706201</b> | <b>24.01.2004</b> | <b>FOM-017</b> |

|                   |                |              |             |
|-------------------|----------------|--------------|-------------|
| Country of origin | SK             | <b>Breed</b> | H93,8 S 6,2 |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA          |
|                   |                | Paternity    | 04.01.2006  |
|                   |                | SK           | 0341/31     |

### Pedigree

|                  |            |                             |
|------------------|------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b> | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET |            | US000002163822 LAD-009      |
| US000017349617   | <b>PGD</b> | CRACIN AEROSTAR MELISSA     |
| FOM-004          |            | US000015172400              |
| <b>Dam</b>       | <b>MGS</b> | MEADOW BRIDGE MILLION-ET    |
| PAVLINKA         |            | CA000005410058 ARS-008      |
| SK000067275843   | <b>MGD</b> | SK000033867823              |

|                             |            |           |    |           |    |            |              |            |              |
|-----------------------------|------------|-----------|----|-----------|----|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 23 | Daug.     | 80 | Rel.       | 92 %         | <b>SPI</b> | -590         |
| Number controls             |            | <b>BV</b> |    | Milk      |    | Fat        | %            | Prot.      | %            |
| <b>1480</b>                 |            |           |    | <b>63</b> |    | <b>-13</b> | <b>-0,31</b> | <b>-5</b>  | <b>-0,15</b> |
|                             |            |           |    |           |    |            |              | <b>SCS</b> | <b>3,34</b>  |
|                             |            |           |    |           |    |            |              | rank       | 554.         |
|                             |            |           |    |           |    |            |              | rank       | 967.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 24 | 79,5 | Rel. | 70 % | <b>TYPE</b> | 1,22 |
|                  |             |       |       |       |    |      |      |      | rank        | 114. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,94  |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    |    |
| Rump Angle            | 0,39  |    |    |   |    |    |
| Rear Legs Side View   | 0,46  |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | 0,21  |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | 0,61  |    |    |   |    |    |
| Rear Udder Width      | 0,85  |    |    |   |    |    |
| Central Ligament      | 0,79  |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | 0,75  |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | 0,55  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,89</b>  |
| 77,8 | <b>Dairy Strength</b>  | <b>0,03</b>  |
| 80,3 | <b>Feet &amp; Legs</b> | <b>-0,26</b> |
| 79,1 | <b>Udder</b>           | <b>1,49</b>  |
|      | <b>SHI</b>             | <b>31,0</b>  |
|      | rank                   | 252.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>COPPERTOP DOBERMAN-ET</b> | <b>US000061980877</b> | <b>03.10.2005</b> | <b>PEL-053</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 21.06.2006 |
|                   |                                   | US           | M06017397  |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                                     | <b>PGS</b> | CAROL PRELUDE MTOTO-ET<br>IT006001001962  |
| PICSTON SHOTTLE-ET<br>GB000000598172<br>PEL-033 | <b>PGD</b> | CONDON AERO SHARON<br>CA000005373153      |
| <b>Dam</b>                                      | <b>MGS</b> | J-MOR ELTON GRANGER-ET<br>US000002283503  |
| WINDLEWAY GRANGER DOVE<br>US000060429221        | <b>MGD</b> | WINDLEWAY DODIE MISSILE<br>US000127910772 |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>19</b> | Daug.      | <b>534</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>2752</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 51.         |
| <b>5422</b>                 |            |           |           | <b>359</b> |            | <b>27</b> | <b>0,23</b> | <b>SCS</b> | <b>2,35</b> |
|                             |            |           |           |            |            |           |             | rank       | 35.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>35 / 10</b> | Daug. | <b>266</b> | 82,2 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>1,22</b> |
|                  |             |       |                |       |            |      |      | rank        | 115.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,24  |    |    |   |    |    |
| Angularity            | 0,87  |    |    |   |    |    |
| Chest Width           | -0,21 |    |    |   |    |    |
| Body Depth            | -0,32 |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,24 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | 1,28  |    |    |   |    |    |
| Teat Length           | -0,50 |    |    |   |    |    |
| Rear Udder Height     | -0,03 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,30  |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,27  |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,63  |    |    |   |    |    |
| Locomotion            | 0,49  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,6 | <b>Frame</b> | <b>0,06</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 82,0 | <b>Dairy Strength</b> | <b>0,75</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,6 | <b>Feet &amp; Legs</b> | <b>1,49</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 80,4 | <b>Udder</b> | <b>1,19</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>131,7</b> |
|--|------------|--------------|

rank 38.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>COYNE-FARMS DAMAR-ET</b> | <b>US000135509942</b>             | <b>04.06.2004</b> | <b>MED-007</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 22.02.2005     |
|                             |                                   | USA               | HU2005003431   |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                                 | <b>PGS</b> | HA-HO CUBBY MANFRED-ET<br>US000002183007              |
| RICH-J SOSA-ET<br>US000125997863            | <b>PGD</b> | SILDAHL-EAGLE BW SPICEY-ET<br>US000015806051          |
| <b>Dam</b>                                  | <b>MGS</b> | STARTMORE RUDOLPH-ET<br>CA000005470579 <b>ARS-015</b> |
| COYNE-FARMS RUDOLPH DAFFY<br>US000018044589 | <b>MGD</b> | COYNE-FARMS MERRILL DAISY<br>US000015889098           |

|                             |            |            |           |              |           |              |             |             |            |
|-----------------------------|------------|------------|-----------|--------------|-----------|--------------|-------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds      | <b>34</b> | Daug.        | <b>80</b> | Rel.         | <b>92 %</b> | <b>SPI</b>  | <b>478</b> |
| Number controls             | <b>BV</b>  | Milk       | Fat       | %            | Prot.     | %            | rank        | 332.        |            |
| <b>1739</b>                 |            | <b>334</b> | <b>-2</b> | <b>-0,28</b> | <b>1</b>  | <b>-0,19</b> | <b>SCS</b>  | <b>3,03</b> | rank 580.  |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 9</b> | Daug. | <b>24</b> | 80,2 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>1,21</b> |
| rank 116.        |             |       |               |       |           |      |      |             |             |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 2,03  |    |    |   |    |    |
| Angularity            | -0,48 |    |    |   |    |    |
| Chest Width           | 0,47  |    |    |   |    |    |
| Body Depth            | 0,96  |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,78  |    |    |   |    |    |
| Fore Udder Attachment | -0,18 |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    |    |
| Teat Length           | 1,19  |    |    |   |    |    |
| Rear Udder Height     | -0,70 |    |    |   |    |    |
| Rear Udder Width      | -0,24 |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | -0,01 |    |    |   |    |    |
| Rump Width            | 0,75  |    |    |   |    |    |
| Rear Legs Rear View   | 1,08  |    |    |   |    |    |
| Rear Teat Placement   | -0,06 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

86,5 **Frame** **2,84**

79,3 **Dairy Strength** **-0,04**

80,9 **Feet & Legs** **1,21**

77,0 **Udder** **-0,51**

**SHI** **62,9**

rank 167.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>ENSENADA TABOO PLANET-ET</b> | <b>US000060597003</b>             | <b>03.03.2003</b> | <b>BS-050</b>  |
| Country of origin               | US                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 24.06.2008     |
|                                 |                                   | US                | M08040409      |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | END-ROAD BLACKSTAR MAJIC-ET |
| ROSE-BAUM TABOO-ET       |            | US000002119660              |
| US000017121203           | <b>PGD</b> | ROSE-BAUM WINKEN ALAS       |
|                          |            | US000014484760              |
| <b>Dam</b>               | <b>MGS</b> | OUT-JOCK CHOICE AMEL-ET     |
| PLUSHANSKI AMEL PATTY-ET |            | US000002231596              |
| US000130161039           | <b>MGD</b> | DIVIDING-RIDGE PEG-ET       |
|                          |            | US000017268712              |

|                             |            |           |           |             |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>22</b> | Daug.       | <b>335</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>5558</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | Prot.      | %            |
| <b>7267</b>                 |            |           |           | <b>1419</b> |            | <b>33</b> | <b>-0,33</b> | <b>42</b>  | <b>-0,05</b> |
|                             |            |           |           |             |            |           |              | <b>SCS</b> | <b>2,81</b>  |
|                             |            |           |           |             |            |           |              | rank       | 303.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>82 / 10</b> | Daug. | <b>231</b> | 81,6 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>1,21</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 117.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,03 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,11  |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | 0,58  |    |    |   |    |    |
| Foot Angle            | -0,59 |    |    |   |    |    |
| Fore Udder Attachment | 0,85  |    |    |   |    |    |
| Front Teat Placement  | 1,11  |    |    |   |    |    |
| Teat Length           | -1,18 |    |    |   |    |    |
| Rear Udder Height     | 0,54  |    |    |   |    |    |
| Rear Udder Width      | 0,72  |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | 0,45  |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | 0,92  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,27 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,1 | <b>Frame</b>           | <b>0,22</b>  |
| 81,8 | <b>Dairy Strength</b>  | <b>0,99</b>  |
| 82,3 | <b>Feet &amp; Legs</b> | <b>-0,35</b> |
| 79,9 | <b>Udder</b>           | <b>1,85</b>  |
|      | <b>SHI</b>             | <b>216,0</b> |
|      | rank                   | 3.           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>VIDEO-ET</b>  | <b>NL000388664641</b> | <b>04.06.2004</b> | <b>VTS-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.12.2004 |
|                   |                                   | NLD          | 121313     |

### Pedigree

|                          |            |                              |
|--------------------------|------------|------------------------------|
| <b>Sire</b>              | <b>PGS</b> | CESAR MASC.VALENTEIN-ET G.M. |
| SOUTHLAND VITUS          |            | 0908008098                   |
| NL000234631616           | <b>PGD</b> | DIENA 73                     |
|                          |            | NL000122821770               |
| <b>Dam</b>               | <b>MGS</b> | ETAZON ADDISON-ET            |
| SOUTHLAND A SON BELLE 30 |            | NL000839380546               |
| NL000263533303           | <b>MGD</b> | SOUTHLAND BELLE 3            |
|                          |            | NL000183723879               |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>56</b> | Daug.      | <b>463</b> | Rel.     | <b>98 %</b>  | <b>SPI</b> | <b>2825</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 48.         |
| <b>6614</b>                 |            |           |           | <b>624</b> |            | <b>8</b> | <b>-0,27</b> | <b>27</b>  | <b>0,14</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |           |            |            |          |              | rank       | 267.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>43 / 12</b> | Daug. | <b>194</b> | 80,8 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>1,21</b> |
|                  |             |       |                |       |            |      |      | rank        | 118.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,77  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,21  |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | 1,30  |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | 0,22  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | 0,09  |    |    |   |    |    |
| Teat Length           | 0,21  |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | 0,59  |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -1,37 |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | 0,43  |    |    |   |    |    |
| Rear Teat Placement   | 0,55  |    |    |   |    |    |
| Locomotion            | 0,57  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,5 | <b>Frame</b> | <b>1,21</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,9 | <b>Dairy Strength</b> | <b>0,63</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,6 | <b>Feet &amp; Legs</b> | <b>1,88</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,1 | <b>Udder</b> | <b>0,19</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>133,6</b> |
|--|------------|--------------|

rank 35.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>GILLETTE JUNGE-ET</b> | <b>CA000007816598</b>      | <b>26.07.2006</b> | <b>PEL-048</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 31.05.2007 |
|                   |                | CA           | DC184805   |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>                                | <b>PGS</b> | CAROL PRELUDE MTOTO-ET<br>IT006001001962         |
| GILLETTE BRILEA FBI-ET<br>CA000008209524   | <b>PGD</b> | GILLETTE BRILEA BELLE FLEUR-ET<br>CA000006735509 |
| <b>Dam</b>                                 | <b>MGS</b> | REGANCREST ELTON DURHAM-ET<br>US000002250783     |
| GELLETT-I DURHAM JERICHO<br>CA000008143479 | <b>MGD</b> | WINDEMERE-MASMILL JELLYBEAN<br>US000014237052    |

|                             |            |           |    |            |     |           |              |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 12 | Daug.      | 286 | Rel.      | 96 %         | <b>SPI</b> | 182         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | rank       | 392.        |
| <b>3275</b>                 |            |           |    | <b>111</b> |     | <b>-8</b> | <b>-0,24</b> | <b>4</b>   | <b>0,01</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 2,22        |
|                             |            |           |    |            |     |           |              | rank       | 16.         |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 4 | Daug. | 76 | 81,3 | Rel. | 83 % | <b>TYPE</b> | 1,21 |
|                  |             |       |        |       |    |      |      | rank | 119.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,50  |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,08  |    |    |   |    |    |
| Rump Angle            | 0,76  |    |    |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    |    |
| Foot Angle            | 0,22  |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | 0,25  |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | -0,18 |    |    |   |    |    |
| Central Ligament      | 0,91  |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | 0,33  |    |    |   |    |    |
| Locomotion            | 0,40  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,9 | <b>Frame</b> | <b>0,76</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,9 | <b>Dairy Strength</b> | <b>0,29</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,6 | <b>Feet &amp; Legs</b> | <b>1,35</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,4 | <b>Udder</b> | <b>1,01</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>53,8</b> |
|--|------------|-------------|

rank 192.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>DEMARC RANCH</b> | <b>CA000103931564</b> | <b>04.01.2007</b> | <b>BW-055</b>  |
| Country of origin   | CA                    | <b>Breed</b>      | H100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 06.03.2012     |
|                     |                       | CA                | DC194436       |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| DIAMOND-OAK FROSTY-ET |            | US000002290977              |
| US000131520543        | <b>PGD</b> | MOHRFIELD SAND MOLLIE-ET    |
| BW-023                |            | US000017215771              |
| <b>Dam</b>            | <b>MGS</b> | CANYON-BREEZE ALLEN-ET      |
| OPSO ALLEN ROSE       |            | US000017129288              |
| CA000101327985        | <b>MGD</b> | OPSO RUDOLPH ROSA           |
|                       |            | CA000006946865              |

|                             |            |           |          |            |           |          |              |            |              |
|-----------------------------|------------|-----------|----------|------------|-----------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>8</b> | Daug.      | <b>69</b> | Rel.     | <b>86 %</b>  | <b>SPI</b> | <b>1313</b>  |
| Number controls             |            | <b>BV</b> |          | Milk       |           | Fat      | %            | Prot.      | %            |
| <b>743</b>                  |            |           |          | <b>377</b> |           | <b>2</b> | <b>-0,23</b> | <b>11</b>  | <b>-0,01</b> |
|                             |            |           |          |            |           |          |              | <b>SCS</b> | <b>2,62</b>  |
|                             |            |           |          |            |           |          |              | rank       | ...          |
|                             |            |           |          |            |           |          |              | rank       | ...          |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 3</b> | Daug. | <b>16</b> | 81,9 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>1,20</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 120.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,16  |    |    |   |    |    |
| Angularity            | 0,07  |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,24  |    |    |   |    |    |
| Teat Length           | -0,17 |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | 0,08  |    |    |   |    |    |
| Udder Depth           | 0,65  |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,65  |    |    |   |    |    |
| Rear Teat Placement   | 0,35  |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | 0,17  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,1 | <b>Frame</b> | <b>1,30</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,8 | <b>Dairy Strength</b> | <b>0,23</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 84,3 | <b>Feet &amp; Legs</b> | <b>0,41</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,1 | <b>Udder</b> | <b>0,90</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>87,6</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>GANVO ALEXANDER</b> | <b>NL000272173125</b>             | <b>14.07.2000</b> | <b>JAT-007</b> |
| Country of origin      | NL                                | <b>Breed</b>      | H100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 25.03.2005     |
|                        |                                   | NL                | 56362          |

### Pedigree

|                   |            |                     |
|-------------------|------------|---------------------|
| <b>Sire</b>       | <b>PGS</b> | DELTA CLEITUS JABOT |
| WOUNDHOEVE RUSSEL |            | NL000316419721      |
| NL000141079778    | <b>PGD</b> | PIETJE 478          |
|                   |            | NL000706423415      |
| <b>Dam</b>        | <b>MGS</b> | ETAZON CELSIUS-ET   |
| GANVO ANNEMOON    |            | NL000460508522      |
| NL000174238496    | <b>MGD</b> | GANVO FLEUR-ET      |
|                   |            | NL000808490814      |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.      | 217 | Rel.      | 97 %        | <b>SPI</b> | 1490        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %           |
| <b>4034</b>                 |            |           |    | <b>181</b> |     | <b>14</b> | <b>0,12</b> | <b>13</b>  | <b>0,16</b> |
|                             |            |           |    |            |     |           |             | rank       | 152.        |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | <b>3,12</b> |
|                             |            |           |    |            |     |           |             | rank       | 686.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 32 / 4 | Daug. | 179 | 79,9 | Rel. | 93 % | <b>TYPE</b> | 1,19 |
|                  |             |       |        |       |     |      |      |      | rank        | 121. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,04  |    |    |   |    |    |
| Angularity            | -0,17 |    |    |   |    |    |
| Chest Width           | 0,30  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | -0,87 |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,50  |    |    |   |    |    |
| Front Teat Placement  | 0,14  |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | 0,32  |    |    |   |    |    |
| Rear Udder Width      | 1,06  |    |    |   |    |    |
| Central Ligament      | 0,21  |    |    |   |    |    |
| Udder Depth           | -0,22 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,24 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | 0,46  |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,20</b>  |
| 79,3 | <b>Dairy Strength</b>  | <b>-0,07</b> |
| 80,5 | <b>Feet &amp; Legs</b> | <b>1,43</b>  |
| 79,3 | <b>Udder</b>           | <b>1,77</b>  |
|      | <b>SHI</b>             | <b>92,6</b>  |
|      |                        | rank         |
|      |                        | 99.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>JERRY</b>      | <b>DE000345877177</b>      | <b>10.10.2001</b> | <b>MNA-008</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 22.11.2001            |
|                   |                            | DEU               | 01/13113              |

### Pedigree

|                |                |                            |
|----------------|----------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b>     | BIS-MAY S-E-L MOUNTAIN-ET  |
| JESTHER-ET     | US000002070579 | RAY-002                    |
| FR005994022699 | <b>PGD</b>     | ROCKY-VU ELTON EDNA ELI-ET |
|                | US000014189172 |                            |
| <b>Dam</b>     | <b>MGS</b>     | RONNYBROOK PRELUDE-ET      |
| EBBA           | CA000000392457 | STB-016                    |
| DE001021246052 | <b>MGD</b>     | EDELROSE                   |
|                | DE001020888555 |                            |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 45 | Daug. | 393 | Rel.  | 98 % | <b>SPI</b> | -383       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| <b>8137</b>                 |            |           |    | 145   | -19 | -0,46 | -1   | -0,13      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 506.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 121.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 7 | Daug. | 49 | 79,1 | Rel. | 80 % | <b>TYPE</b> | 1,18 |
|                  |             |       |        |       |    |      |      |      | rank        | 122. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,63 |    |    |   |    |    |
| Angularity            | 0,00  |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -0,43 |    |    |   |    |    |
| Rear Legs Side View   | -0,23 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | 0,73  |    |    |   |    |    |
| Teat Length           | -0,27 |    |    |   |    |    |
| Rear Udder Height     | 0,29  |    |    |   |    |    |
| Rear Udder Width      | 0,76  |    |    |   |    |    |
| Central Ligament      | 1,02  |    |    |   |    |    |
| Udder Depth           | 0,59  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,82  |    |    |   |    |    |
| Locomotion            | 0,65  |    |    |   |    |    |
| Body Condition        | 0,49  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,1 | <b>Frame</b>           | -0,50 |
| 79,4 | <b>Dairy Strength</b>  | 0,31  |
| 79,9 | <b>Feet &amp; Legs</b> | 1,97  |
| 77,7 | <b>Udder</b>           | 1,59  |
|      | <b>SHI</b>             | 35,7  |
|      | rank                   | 246.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                            |                   |                       |
|-------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>        | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KARONA BONAIR-ET</b> | <b>CA000009324236</b>      | <b>15.01.2003</b> | <b>MSN-007</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 01.08.2003 |
|                   |                | CA           | DC101874   |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | SHOREMAR MASON-ET           |
| COMESTAR LHEROS-ET       |            | CA000005279989              |
| CA000006663935           | <b>PGD</b> | COMESTAR LAURA BLACK-ET     |
| MSN-006                  |            | CA000005319783              |
|                          |            | LID-001                     |
| <b>Dam</b>               | <b>MGS</b> | RICECREST EMERSON-ET        |
| KARONA EMERSON BONNIE-ET |            | US000002271271              |
| CA000010749214           | <b>MGD</b> | LA PRESENTATION PETRELLE-ET |
|                          |            | CA000006847626              |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 26 | Daug. | 554 | Rel.  | 98 % | <b>SPI</b> | 1627 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 144. |
| <b>10706</b>                |            |           |    | 474   | 9   | -0,16 | 11   | <b>SCS</b> | 3,35 |
|                             |            |           |    |       |     |       |      | rank       | 973. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 5 | Daug. | 65 | 81,5 | Rel. | 82 % | <b>TYPE</b> | 1,18 |
|                  |             |       |        |       |    |      |      | rank | 123.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,86  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | 0,56  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | 0,11  |    |    |   |    |    |
| Foot Angle            | 0,03  |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | -0,02 |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | 0,24  |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | 0,19  |    |    |   |    |    |
| Rump Width            | 0,80  |    |    |   |    |    |
| Rear Legs Rear View   | -0,13 |    |    |   |    |    |
| Rear Teat Placement   | -0,00 |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 86,9 | <b>Frame</b> | 1,49 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,9 | <b>Dairy Strength</b> | 1,05 |
|------|-----------------------|------|

|      |                        |       |
|------|------------------------|-------|
| 81,8 | <b>Feet &amp; Legs</b> | -0,32 |
|------|------------------------|-------|

|      |              |      |
|------|--------------|------|
| 78,5 | <b>Udder</b> | 0,70 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 96,3 |
|--|------------|------|

rank 92.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>JK EDER NERO</b> | <b>NL000428213639</b> | <b>28.11.2005</b> | <b>PEL-029</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 07.03.2006 |
|                   |                                   | NL           | 139065     |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET |            | IT006001001962         |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033            |            | CA000005373153         |
| <b>Dam</b>         | <b>MGS</b> | RICECREST MARSHALL-ET  |
| LAAREIND NUEVA 4   |            | US000002297473         |
| NL000334180410     | <b>MGD</b> | JK EDER NUEVA 2        |
|                    |            | NL000271489519         |

|                             |            |           |    |       |    |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 20 | Daug. | 70 | Rel. | 93 % | <b>SPI</b> | 1267        |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %           |
| 1352                        |            |           |    | 51    | 21 | 0,35 | 10   | 0,17       | <b>SCS</b>  |
|                             |            |           |    |       |    |      |      |            | rank        |
|                             |            |           |    |       |    |      |      |            | 194.        |
|                             |            |           |    |       |    |      |      |            | <b>rank</b> |
|                             |            |           |    |       |    |      |      |            | 670.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 21 | 80,3 | Rel. | 67 % | <b>TYPE</b> | 1,18 |
|                  |             |       |       |       |    |      |      |      | rank        | 124. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | 1,31  |    |    |   |    |    |
| Chest Width           | -0,75 |    |    |   |    |    |
| Body Depth            | -0,78 |    |    |   |    |    |
| Rump Angle            | -0,63 |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | 1,02  |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -0,12 |    |    |   |    |    |
| Rear Udder Height     | 0,54  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | 0,32  |    |    |   |    |    |
| Udder Depth           | 1,30  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,01  |    |    |   |    |    |
| Rear Teat Placement   | 0,49  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,4 | <b>Frame</b> | 0,02 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,0 | <b>Dairy Strength</b> | 0,93 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 81,0 | <b>Feet &amp; Legs</b> | 0,43 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,9 | <b>Udder</b> | 1,37 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 85,4 |
|--|------------|------|

rank 114.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                            |                   |                       |
|-------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>              | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>OLIVEHOLME AEROLINE-ET</b> | <b>CA000005429693</b>      | <b>09.06.1991</b> | <b>ARS-022</b>        |
| Country of origin             | CA                         | <b>Breed</b>      | H100                  |
| Distributor                   | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                               |                            | Paternity         | 08.10.1991            |
|                               |                            | CAN               | 257881                |

### Pedigree

|                       |            |                      |
|-----------------------|------------|----------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR    |            | CA000000352790       |
| CA000000383622        | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011               |            | CA0000003511527      |
| <b>Dam</b>            | <b>MGS</b> | WALKWAY CHIEF MARK   |
| OLIVEHOLME MARK BECKY |            | US000001773417       |
| CA0000004630016       | <b>MGD</b> | OLIVEHOLME DUTCHESS  |
|                       |            | CA0000004282351      |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 377 | Rel.  | 98 % | <b>SPI</b> | 1069       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 7887                        |            |           |    | 362   | 12  | -0,05 | 4    | -0,16      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 231.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 628.       |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 37 / 15 | Daug. | 123 | 78,3 | Rel. | 91 % | <b>TYPE</b> | 1,17 |
|                  |             |       |         |       |     |      |      |      | rank        | 125. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | 0,26  |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | -0,83 |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | -0,25 |    |    |   |    |    |
| Front Teat Placement  | -0,32 |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | 0,72  |    |    |   |    |    |
| Rear Udder Width      | 0,86  |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | -0,67 |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 80,4 | <b>Frame</b> | 0,37 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 77,1 | <b>Dairy Strength</b> | 1,28 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 78,4 | <b>Feet &amp; Legs</b> | 0,56 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,9 | <b>Udder</b> | 1,41 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 79,1 |
|--|------------|------|

rank 126.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>SH SURANY MICA PADRE ET</b>    | <b>SK000070475858</b> | <b>07.03.1997</b> | <b>MIC-001</b> |
| Country of origin                 | Breed                 |                   | H100           |
| SK                                | Herdbook              |                   | HA             |
| Distributor                       | Paternity             |                   |                |
| SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. |                       |                   |                |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA MELWOOD-ET        |
| CMV MICA-ET                 |            | US000001879149            |
| US000002125714              | <b>PGD</b> | BRIARPATCH-R MISTY-ET     |
|                             |            | US000012882374            |
| <b>Dam</b>                  | <b>MGS</b> | OSDEL-ENDEAVOR BOVA CUBBY |
| PAULO-BRO CUB KANDI,4355-ET |            | US000001986164            |
| US0000015023807             | <b>MGD</b> | GLC BLACKSTAR,KANDACE-ET  |
|                             |            | US000013877453            |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>97</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1236</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 699.         |
| <b>1884</b>                 |            |           |           | <b>-237</b> |           | <b>-3</b>  | <b>0,11</b>  | <b>SCS</b> | <b>2,67</b>  |
|                             |            |           |           |             |           | <b>-13</b> | <b>-0,13</b> | rank       | 160.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 10</b> | Daug. | <b>25</b> | 77,2 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>1,17</b> |
|                  |             |       |                |       |           |      |      | rank        | 126.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,50  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | 0,91  |    |    |   |    |    |
| Fore Udder Attachment | 0,23  |    |    |   |    |    |
| Front Teat Placement  | -0,20 |    |    |   |    |    |
| Teat Length           | 1,13  |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | 0,13  |    |    |   |    |    |
| Rear Legs Rear View   | 0,49  |    |    |   |    |    |
| Rear Teat Placement   | -0,96 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,49 |    |    |   |    |    |

daught. average

80,8 **Frame** **0,77**

74,6 **Dairy Strength** **0,85**

78,5 **Feet & Legs** **2,08**

76,1 **Udder** **0,16**

**SHI** **9,3**

rank 338.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>GROENHILDE MALCOLM</b> | <b>NL000437880891</b>      | <b>29.01.2006</b> | <b>PEL-046</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 26.04.2006 |
|                   |                                   | NL           | 141232     |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET |            | IT006001001962         |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033            |            | CA000005373153         |
| <b>Dam</b>         | <b>MGS</b> | JOCKO BESN             |
| JOCKO ROZANNE      |            | FR005694028588         |
| NL000276623314     | <b>MGD</b> | LJSSELVLIEDT ROSA 126  |
|                    |            | NL000214987087         |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 566 | Rel.      | 98 %         | <b>SPI</b> | 1281         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>7370</b>                 |            |           |    | <b>449</b> |     | <b>-3</b> | <b>-0,36</b> | <b>11</b>  | <b>-0,06</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 2,47         |
|                             |            |           |    |            |     |           |              | rank       | 193.         |
|                             |            |           |    |            |     |           |              | rank       | 68.          |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 6 | Daug. | 44 | 81,4 | Rel. | 75 % | <b>TYPE</b> | 1,15 |
|                  |             |       |        |       |    |      |      |      | rank        | 127. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,14 |    |    |   |    |    |
| Angularity            | 0,00  |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 0,46  |    |    |   |    |    |
| Teat Length           | 0,77  |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | 0,89  |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | 0,44  |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | 0,59  |    |    |   |    |    |
| Locomotion            | 0,61  |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,5 | <b>Frame</b> | <b>0,09</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,5 | <b>Dairy Strength</b> | <b>0,52</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,9 | <b>Feet &amp; Legs</b> | <b>0,96</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,5 | <b>Udder</b> | <b>1,23</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>84,8</b> |
|--|------------|-------------|

rank 116.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                            |                   |                       |
|-----------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>      | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>TERRICK REGGIE</b> | <b>US000122554867</b>      | <b>23.10.1998</b> | <b>BEL-023</b>        |
| Country of origin     | US                         | <b>Breed</b>      | H100                  |
| Distributor           | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                       |                            | Paternity         | 13.03.2000            |
|                       |                            | CAN               | BTIG255049A           |

### Pedigree

|                      |                |                           |
|----------------------|----------------|---------------------------|
| <b>Sire</b>          | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE |
| SECOND-LOOK JOLT     | US000001964484 | BEL-001                   |
| US000002149849       | <b>PGD</b>     | JO-HAR MARK JOYFUL        |
|                      | US000013576914 |                           |
| <b>Dam</b>           | <b>MGS</b>     | MJR BLACKSTAR EMORY-ET    |
| TERRICK EMORY RIBBON | US000002114601 |                           |
| US000017227433       | <b>MGD</b>     | TERRICK ARES RANDY        |
|                      | US000014781405 |                           |

|                             |             |           |           |       |              |      |             |            |              |
|-----------------------------|-------------|-----------|-----------|-------|--------------|------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017  | Herds     | <b>44</b> | Daug. | <b>395</b>   | Rel. | <b>98 %</b> | <b>SPI</b> | <b>1026</b>  |
| Number controls             | <b>7096</b> | <b>BV</b> |           | Milk  | <b>285</b>   | Fat  | <b>11</b>   | %          | <b>-0,01</b> |
|                             |             | Prot.     | <b>5</b>  | %     | <b>-0,08</b> | rank |             | <b>SCS</b> | <b>3,10</b>  |
|                             |             |           |           |       |              | rank |             |            | 674.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 8</b> | Daug. | <b>80</b> | 79,7 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>1,15</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 128.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,59  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,37 |    |    |   |    |    |
| Teat Length           | -0,18 |    |    |   |    |    |
| Rear Udder Height     | 0,86  |    |    |   |    |    |
| Rear Udder Width      | 0,94  |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | -0,04 |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | 0,41  |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | 0,09  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 83,3 | <b>Frame</b>           | <b>0,69</b> |
| 79,6 | <b>Dairy Strength</b>  | <b>0,30</b> |
| 80,0 | <b>Feet &amp; Legs</b> | <b>0,61</b> |
| 77,6 | <b>Udder</b>           | <b>1,02</b> |
|      | <b>SHI</b>             | <b>77,0</b> |
|      | rank                   | 133.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>ECLAIREUR</b> | <b>FR004526109228</b> | <b>06.03.2009</b> | <b>BW-044</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 08.07.2010 |
|                   |                                   | FR           | F/S 540571 |

### Pedigree

|                 |            |                             |
|-----------------|------------|-----------------------------|
| <b>Sire</b>     | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| SILDAHL AIRRAID |            | US000002290977              |
| US000131688542  | <b>PGD</b> | SILDAHL MANFRED AIR ATTACK  |
|                 |            | US000127745181              |
| <b>Dam</b>      | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |
| VALERIANE       |            | US000122358313              |
| FR002141062370  | <b>MGD</b> | REMARLINDA                  |
|                 |            | FR002100001532              |

|                             |            |           |    |       |    |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 85 | Rel. | 90 % | <b>SPI</b> | -709 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  |      | rank       | 579. |
| <b>1666</b>                 |            |           |    | -179  |    | -4   | 0,03 | <b>SCS</b> | 3,26 |
|                             |            |           |    |       |    |      |      | rank       | 865. |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 5 | Daug. | 33 | 80,8 | Rel. | 69 % | <b>TYPE</b> | 1,15 |
|                  |             |       |       |       |    |      |      | rank | 129.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,84  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | 0,28  |    |    |   |    |    |
| Rear Legs Side View   | -0,79 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | 1,03  |    |    |   |    |    |
| Teat Length           | -0,87 |    |    |   |    |    |
| Rear Udder Height     | 0,52  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | 0,70  |    |    |   |    |    |
| Rump Width            | -0,18 |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 85,4 | <b>Frame</b>           | 1,01 |
| 81,9 | <b>Dairy Strength</b>  | 0,29 |
| 81,7 | <b>Feet &amp; Legs</b> | 0,35 |
| 77,4 | <b>Udder</b>           | 0,99 |
|      | <b>SHI</b>             | 24,7 |
|      | rank                   | 270. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>GENY</b>       | <b>FR000802899270</b>             | <b>07.10.2011</b> | <b>OBS-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 24.04.2013     |
|                   |                                   | FR                | F/S 802899270  |

### Pedigree

**Sire** \_\_\_\_\_ **PGS** ENSENADA TABOO PLANET-ET  
DE-SU OBSERVER-ET  
US000065917481  
US000060597003 **BS-050**

**PGD** DE-SU OMAN 6121-ET  
US000061681442

**Dam** \_\_\_\_\_ **MGS** PICSTON SHOTTLE-ET  
PINE-TREE SHOTTLE MISSY-ET  
US000063651488  
GB000000598172 **PEL-033**

**MGD** WESSWOOD-HC RUDY MISSY-ET  
US000122797679

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>26</b> | Daug.      | <b>277</b> | Rel.     | <b>94 %</b>  | <b>SPI</b> | <b>1984</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 105.         |
| <b>1361</b>                 |            |           |           | <b>612</b> |            | <b>0</b> | <b>-0,40</b> | <b>17</b>  | <b>-0,04</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>2,27</b>  |
|                             |            |           |           |            |            |          |              | rank       | 22.          |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 4</b> | Daug. | <b>20</b> | 82,3 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>1,14</b> |
|                  |             |       |              |       |           |      |      | rank        | 130.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,97  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,25 |    |    |   |    |    |
| Body Depth            | -0,38 |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | -0,23 |    |    |   |    |    |
| Fore Udder Attachment | 0,92  |    |    |   |    |    |
| Front Teat Placement  | 0,93  |    |    |   |    |    |
| Teat Length           | -0,08 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | -0,34 |    |    |   |    |    |
| Central Ligament      | 0,30  |    |    |   |    |    |
| Udder Depth           | 1,10  |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | 0,61  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,00 |    |    |   |    |    |

daught. average

85,2 **Frame** **0,88**

80,5 **Dairy Strength** **-0,13**

84,0 **Feet & Legs** **0,33**

81,0 **Udder** **1,32**

**SHI** **105,6**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                       |                   |                |
|------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number   | Birth date        | State Register |
| <b>HAMMER-CREEK GOLD KOLTON-ET</b> | <b>US000062738964</b> | <b>29.12.2005</b> | <b>GAD-010</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 31.07.2006 |
|                   |                                   | US           | M06018372  |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SHOREMAR JAMES          |
| BRAEDALE GOLDWYN-ET       |            | CA000005902195          |
| CA000010705608            | <b>PGD</b> | BRAEDALE BALER TWINE-ET |
| GAD-002                   |            | CA000006860888          |
| <b>Dam</b>                | <b>MGS</b> | FUTURALAND ZADE-ET      |
| HAMMER-CREEK ZADE KLASSIC |            | US000125349240          |
| US000060822636            | <b>MGD</b> | HAMMER-CREEK KATELYN-ET |
|                           |            | US000060430342          |

|                             |            |           |    |           |     |           |              |            |              |
|-----------------------------|------------|-----------|----|-----------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 23 | Daug.     | 335 | Rel.      | 97 %         | <b>SPI</b> | -333         |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat       | %            | Prot.      | %            |
| <b>4354</b>                 |            |           |    | <b>35</b> |     | <b>-5</b> | <b>-0,12</b> | <b>-4</b>  | <b>-0,12</b> |
|                             |            |           |    |           |     |           |              | <b>SCS</b> | <b>2,55</b>  |
|                             |            |           |    |           |     |           |              | rank       | 97.          |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 53 / 12 | Daug. | 181 | 82,1 | Rel. | 92 % | <b>TYPE</b> | 1,14 |
|                  |             |       |         |       |     |      |      |      | rank        | 131. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,87  |    |    |   |    |    |
| Angularity            | 0,59  |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,36 |    |    |   |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,63 |    |    |   |    |    |
| Foot Angle            | 0,34  |    |    |   |    |    |
| Fore Udder Attachment | 0,62  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   |    |    |
| Teat Length           | 1,05  |    |    |   |    |    |
| Rear Udder Height     | 0,99  |    |    |   |    |    |
| Rear Udder Width      | 0,27  |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | 0,89  |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,1 | <b>Frame</b> | <b>0,63</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,6 | <b>Dairy Strength</b> | <b>0,09</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,5 | <b>Feet &amp; Legs</b> | <b>0,78</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 80,2 | <b>Udder</b> | <b>1,22</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>35,5</b> |
|--|------------|-------------|

rank 247.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>PARKER AERO WADE-ET</b> | <b>US000002182318</b>      | <b>10.11.1991</b> | <b>ARS-020</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 08.04.1992 |
|                   |                                   | USA          | IG168321B  |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>                                     | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790   |
| MADAWASKA AEROSTAR<br>CA000000383622<br>STB-011 | <b>PGD</b> | MADAWASKA SHADY<br>CA0000003511527       |
| <b>Dam</b>                                      | <b>MGS</b> | WALKWAY CHIEF MARK<br>US000001773417     |
| PARKER MARK AMARA-ET<br>US0000012714936         | <b>MGD</b> | SAWTOOTH PETES AMANDA<br>US0000010419431 |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug.      | 146 | Rel.      | 96 %         | <b>SPI</b> | -688         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>2931</b>                 |            |           |    | <b>-93</b> |     | <b>-3</b> | <b>-0,01</b> | <b>-7</b>  | <b>-0,10</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | <b>2,63</b>  |
|                             |            |           |    |            |     |           |              | rank       | 574.         |
|                             |            |           |    |            |     |           |              | rank       | 143.         |

|                  |             |       |         |       |    |      |      |      |             |             |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 16 | Daug. | 69 | 77,4 | Rel. | 86 % | <b>TYPE</b> | <b>1,14</b> |
|                  |             |       |         |       |    |      |      |      | rank        | 132.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,16  |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,54  |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,02 |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | 0,59  |    |    |   |    |    |
| Front Teat Placement  | 0,20  |    |    |   |    |    |
| Teat Length           | 0,07  |    |    |   |    |    |
| Rear Udder Height     | 0,53  |    |    |   |    |    |
| Rear Udder Width      | -0,12 |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 1,08  |    |    |   |    |    |
| Rump Width            | -0,60 |    |    |   |    |    |
| Rear Legs Rear View   | 0,61  |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | 0,55  |    |    |   |    |    |
| Body Condition        | 0,39  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,9 | <b>Frame</b> | <b>1,56</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 74,2 | <b>Dairy Strength</b> | <b>0,15</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,1 | <b>Feet &amp; Legs</b> | <b>0,74</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,9 | <b>Udder</b> | <b>0,82</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>24,7</b> |
|--|------------|-------------|

rank 271.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>VELTHIUS SOPHOMORE-ET</b> | <b>CA00009969495</b>       | <b>04.03.2009</b> | <b>BS-054</b>         |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 06.11.2009 |
|                   |                | CA           | DC243106   |

### Pedigree

|                          |            |                            |
|--------------------------|------------|----------------------------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET         |
| ENSENADA TABOO PLANET-ET |            | US000017121203             |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET   |
| BS-050                   |            | US000130161039             |
| <b>Dam</b>               | <b>MGS</b> | JENNY-LOU MARSHALL P149-ET |
| VELTHIUS LOU SOFIA-ET    |            | US000122274798             |
| CA000008956398           | <b>MGD</b> | GEN-I-BEQ GOLDWYN SOFIA-ET |
|                          |            | CA000103506630             |

|                             |            |           |   |       |    |      |       |            |       |
|-----------------------------|------------|-----------|---|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 3 | Daug. | 30 | Rel. | 82 %  | <b>SPI</b> | 4175  |
| Number controls             |            | <b>BV</b> |   | Milk  |    | Fat  | %     | Prot.      | %     |
| 735                         |            |           |   | 1016  |    | 33   | -0,11 | 29         | -0,05 |
|                             |            |           |   |       |    |      |       | <b>SCS</b> | 2,98  |
|                             |            |           |   |       |    |      |       | rank       | ...   |
|                             |            |           |   |       |    |      |       | rank       | ...   |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 3 | Daug. | 30 | 80,4 | Rel. | 70 % | <b>TYPE</b> | 1,13 |
|                  |             |       |       |       |    |      |      |      | rank        | 133. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,35  |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | 0,53  |    |    |   |    |    |
| Front Teat Placement  | -0,24 |    |    |   |    |    |
| Teat Length           | -0,01 |    |    |   |    |    |
| Rear Udder Height     | 0,51  |    |    |   |    |    |
| Rear Udder Width      | 1,00  |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -0,64 |    |    |   |    |    |
| Rump Width            | -0,57 |    |    |   |    |    |
| Rear Legs Rear View   | 1,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 84,1 | <b>Frame</b> | -0,21 |
|------|--------------|-------|

|      |                       |      |
|------|-----------------------|------|
| 81,7 | <b>Dairy Strength</b> | 1,02 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 81,6 | <b>Feet &amp; Legs</b> | 0,15 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,1 | <b>Udder</b> | 1,53 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 171,3 |
|--|------------|-------|

rank 16.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>Q G KISS-ME-ET</b> | <b>NL000174383804</b> | <b>03.12.1995</b> | <b>MNL-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 02.08.1996 |
|                   |                                   | NLD          | 174383804  |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US000012593031              |
| <b>Dam</b>               | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE   |
| SFL SOUTHWIND KARMA-ET   |            | US000001964484              |
| US000014137278           | <b>MGD</b> | MCHART KISMET-ET            |
|                          |            | US000013130486              |

|                             |            |           |           |            |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>52</b> | Daug.      | <b>184</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-1077</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat        |              | rank       | 664.         |
| <b>3801</b>                 |            |           |           | <b>-92</b> |            | <b>-14</b> | <b>-0,22</b> | <b>SCS</b> | <b>2,61</b>  |
|                             |            |           |           |            |            | <b>-9</b>  | <b>-0,14</b> | rank       | 128.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 12</b> | Daug. | <b>35</b> | 77,3 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>1,13</b> |
|                  |             |       |                |       |           |      |      | rank        | 134.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,23  |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | -0,68 |    |    |   |    |    |
| Body Depth            | -0,30 |    |    |   |    |    |
| Rump Angle            | -0,47 |    |    |   |    |    |
| Rear Legs Side View   | -0,60 |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 0,55  |    |    |   |    |    |
| Front Teat Placement  | 0,52  |    |    |   |    |    |
| Teat Length           | 1,11  |    |    |   |    |    |
| Rear Udder Height     | -0,13 |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | -0,08 |    |    |   |    |    |
| Udder Depth           | 0,67  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,13 |    |    |   |    |    |
| Rear Teat Placement   | 0,71  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,2 | <b>Frame</b> | <b>1,26</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 74,9 | <b>Dairy Strength</b> | <b>0,65</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,96</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,4 | <b>Udder</b> | <b>0,57</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>12,8</b> |
|--|------------|-------------|

rank 325.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>GANACHE</b>   | <b>FR002215667193</b> | <b>12.04.2011</b> | <b>MED-036</b> |

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 19.12.2012     |
|                   |                                   | FR           | F/S 2215667193 |

### Pedigree

|                        |            |                          |         |
|------------------------|------------|--------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | O-BEE MANFRED JUSTICE-ET |         |
| REGANCREST ALTAIOTA-ET |            | US000122358313           | MED-012 |
| US000061898306         | <b>PGD</b> | REGANCREST ITO ISA       |         |
| MED-040                |            | US000060870571           |         |
| <b>Dam</b>             | <b>MGS</b> | ENSENADA TABOO PLANET-ET |         |
| EOLE                   |            | US000060597003           | BS-050  |
| FR002215666986         | <b>MGD</b> | CREOLE                   |         |
|                        |            | FR002215666803           |         |

|                             |            |           |    |            |     |           |              |            |             |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.      | 391 | Rel.      | 96 %         | <b>SPI</b> | 2352        |             |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %           |             |
| <b>1913</b>                 |            |           |    | <b>471</b> |     | <b>17</b> | <b>-0,03</b> | <b>19</b>  | <b>0,09</b> |             |
|                             |            |           |    |            |     |           |              |            | rank        | 71.         |
|                             |            |           |    |            |     |           |              |            | <b>SCS</b>  | <b>2,98</b> |
|                             |            |           |    |            |     |           |              |            | rank        | 505.        |

|                  |             |       |        |       |    |      |      |      |             |      |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 9 | Daug. | 62 | 81,4 | Rel. | 80 % | <b>TYPE</b> | 1,12 |      |
|                  |             |       |        |       |    |      |      |      |             | rank | 135. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,53  |    |    |   |    |    |
| Angularity            | -0,47 |    |    |   |    |    |
| Chest Width           | 0,58  |    |    |   |    |    |
| Body Depth            | 0,10  |    |    |   |    |    |
| Rump Angle            | -0,18 |    |    |   |    |    |
| Rear Legs Side View   | -0,52 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | 0,51  |    |    |   |    |    |
| Front Teat Placement  | 0,66  |    |    |   |    |    |
| Teat Length           | -0,97 |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | 0,30  |    |    |   |    |    |
| Central Ligament      | 0,57  |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | 0,80  |    |    |   |    |    |
| Rear Legs Rear View   | 0,61  |    |    |   |    |    |
| Rear Teat Placement   | 0,69  |    |    |   |    |    |
| Locomotion            | 0,45  |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,7 | <b>Frame</b>           | <b>0,95</b>  |
| 80,2 | <b>Dairy Strength</b>  | <b>-0,59</b> |
| 83,3 | <b>Feet &amp; Legs</b> | <b>1,51</b>  |
| 79,5 | <b>Udder</b>           | <b>0,60</b>  |
|      | <b>SHI</b>             | <b>115,9</b> |
|      | rank                   | 61.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>BRAEDALE FREELANCE-ET</b> | <b>CA000006962003</b> | <b>21.03.1998</b> | <b>ALE-003</b> |
| Country of origin            | CA                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 02.10.1998     |
|                              |                       | CAN               | BT425264       |

### Pedigree

|                        |            |                           |         |
|------------------------|------------|---------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| OLIVEHOLME AEROLINE-ET |            | CA000000383622            | STB-011 |
| CA000005429693         | <b>PGD</b> | OLIVEHOLME MARK BECKY     |         |
| ARS-022                |            | CA000004630016            |         |
| <b>Dam</b>             | <b>MGS</b> | MARK CJ GILBROOK GRAND-ET |         |
| BRAEDALE GYPSY GRAND   |            | CA000000393207            | WLK-023 |
| CA000005912235         | <b>MGD</b> | BRAEDALE MOONRIVER        |         |
|                        |            | CA000005441737            |         |

|                             |            |           |           |             |            |          |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>162</b> | Rel.     | <b>96 %</b> | <b>SPI</b> | <b>-1116</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat      |             | rank       | 679.         |
| <b>3133</b>                 |            |           |           | <b>-359</b> |            | <b>3</b> | <b>0,33</b> | <b>SCS</b> | <b>3,50</b>  |
|                             |            |           |           |             |            |          |             | rank       | 1109.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 5</b> | Daug. | <b>66</b> | 79,4 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>1,12</b> |
|                  |             |       |               |       |           |      |      | rank        | 136.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,02  |    |    |   |    |    |
| Angularity            | 0,78  |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | -0,40 |    |    |   |    |    |
| Rear Legs Side View   | 0,09  |    |    |   |    |    |
| Foot Angle            | -0,50 |    |    |   |    |    |
| Fore Udder Attachment | 0,36  |    |    |   |    |    |
| Front Teat Placement  | 0,20  |    |    |   |    |    |
| Teat Length           | -0,53 |    |    |   |    |    |
| Rear Udder Height     | 0,51  |    |    |   |    |    |
| Rear Udder Width      | 0,65  |    |    |   |    |    |
| Central Ligament      | -0,58 |    |    |   |    |    |
| Udder Depth           | -0,32 |    |    |   |    |    |
| Rump Width            | -0,10 |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,34  |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

80,4 **Frame** **0,15**

80,2 **Dairy Strength** **2,04**

80,1 **Feet & Legs** **0,29**

78,2 **Udder** **0,95**

**SHI** **11,1**

rank 330.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>COYNE-FARMS BOLTON DOM-ET</b> | <b>US000138685522</b> | <b>01.09.2007</b> | <b>LU-045</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 31.03.2008 |
|                   |                                   | US           | MO8037394  |

### Pedigree

|                             |                |                           |
|-----------------------------|----------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | LEXVOLD LUKE HERSHEL-ET   |
| SANDY-VALLEY BOLTON-ET      | US000002294436 | LU-013                    |
| US000131823833              | <b>PGD</b>     | SANDY-VALLEY BLESSING-ET  |
|                             | US000128824973 |                           |
| <b>Dam</b>                  | <b>MGS</b>     | PECKENSTEIN FORM BRET-ET  |
| COYNE-FARMS BRET DAFFERS-ET | US000120745603 |                           |
| US000061319723              | <b>MGD</b>     | COYNE-FARMS RUDOLPH DAFFY |
|                             | US000018044589 |                           |

|                             |            |           |    |            |           |             |           |              |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 335       | Rel.        | 96 %      | <b>SPI</b>   | 3604        |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %         | Prot.        | %           |
| <b>3015</b>                 |            |           |    | <b>848</b> | <b>35</b> | <b>0,04</b> | <b>23</b> | <b>-0,07</b> | <b>SCS</b>  |
|                             |            |           |    |            |           |             |           |              | rank        |
|                             |            |           |    |            |           |             |           |              | 22.         |
|                             |            |           |    |            |           |             |           |              | <b>rank</b> |
|                             |            |           |    |            |           |             |           |              | 227.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 59 / 10 | Daug. | 188 | 82,5 | Rel. | 92 % | <b>TYPE</b> | 1,11 |
|                  |             |       |         |       |     |      |      |      | rank        | 137. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | 0,71  |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -0,25 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,71 |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 0,70  |    |    |   |    |    |
| Front Teat Placement  | 0,93  |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | 0,90  |    |    |   |    |    |
| Rear Udder Width      | 0,49  |    |    |   |    |    |
| Central Ligament      | -0,13 |    |    |   |    |    |
| Udder Depth           | 0,86  |    |    |   |    |    |
| Rump Width            | -0,57 |    |    |   |    |    |
| Rear Legs Rear View   | 0,11  |    |    |   |    |    |
| Rear Teat Placement   | 0,60  |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 84,8 | <b>Frame</b>           | <b>0,40</b>  |
|                 | 82,0 | <b>Dairy Strength</b>  | <b>0,53</b>  |
|                 | 84,0 | <b>Feet &amp; Legs</b> | <b>0,07</b>  |
|                 | 80,8 | <b>Udder</b>           | <b>1,37</b>  |
|                 |      | <b>SHI</b>             | <b>152,9</b> |
|                 |      | rank                   | 23.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>PENNVIEW INCOME</b> | <b>CA000006830327</b> | <b>26.02.1997</b> | <b>MEG-006</b> |
| Country of origin      | CA                    | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.        | Herdbook          | HA             |
|                        |                       | Paternity         | 29.10.1997     |
|                        |                       | CAN               | BT405602       |

### Pedigree

|                           |            |                           |         |
|---------------------------|------------|---------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| MEADOW BRIDGE MEGABUCK    |            | CA000000383622            | STB-011 |
| CA000005425054            | <b>PGD</b> | MEADOW BRIDGE MISCHIEF-ET |         |
|                           |            | CA000004466380            |         |
| <b>Dam</b>                | <b>MGS</b> | TO-MAR BLACKSTAR-ET       |         |
| PENNVIEW BLACKSTAR IVANNA |            | US000001929410            | CHR-002 |
| CA000005803584            | <b>MGD</b> | PENNVIEW STARBUCK ISHTAR  |         |
|                           |            | CA000004428686            |         |

|                             |            |           |    |            |      |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 74 | Daug.      | 1119 | Rel.      | 99 %         | <b>SPI</b> | 432          |
| Number controls             |            | <b>BV</b> |    | Milk       |      | Fat       | %            | rank       | 341.         |
| <b>21390</b>                |            |           |    | <b>254</b> |      | <b>-5</b> | <b>-0,27</b> | <b>3</b>   | <b>-0,10</b> |
|                             |            |           |    |            |      |           |              | <b>SCS</b> | <b>3,34</b>  |
|                             |            |           |    |            |      |           |              | rank       | 960.         |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 11 | Daug. | 120 | 79,2 | Rel. | 89 % | <b>TYPE</b> | 1,11 |
|                  |             |       |         |       |     |      |      | rank | 138.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,24 |    |    | ■ |    |    |
| Angularity            | -0,14 |    |    | ■ |    |    |
| Chest Width           | 0,60  |    |    |   | ■  |    |
| Body Depth            | 1,07  |    |    |   | ■  |    |
| Rump Angle            | -0,91 |    | ■  |   |    |    |
| Rear Legs Side View   | -0,93 |    | ■  |   |    |    |
| Foot Angle            | 0,87  |    |    |   | ■  |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | -0,77 |    | ■  |   |    |    |
| Teat Length           | 0,48  |    |    |   | ■  |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | 0,49  |    |    |   | ■  |    |
| Central Ligament      | 1,06  |    |    |   | ■  |    |
| Udder Depth           | -0,61 |    | ■  |   |    |    |
| Rump Width            | 0,20  |    |    |   | ■  |    |
| Rear Legs Rear View   | 0,35  |    |    |   | ■  |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | 0,38  |    |    |   | ■  |    |
| Body Condition        | 0,31  |    |    |   | ■  |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,9 | <b>Frame</b>           | <b>0,14</b> |
| 79,6 | <b>Dairy Strength</b>  | <b>0,91</b> |
| 79,4 | <b>Feet &amp; Legs</b> | <b>1,85</b> |
| 77,5 | <b>Udder</b>           | <b>0,73</b> |
|      | <b>SHI</b>             | <b>57,2</b> |
|      | rank                   | 187.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>WINDEMERE JAMBOREE</b> | <b>US000002261765</b> | <b>12.10.1994</b> | <b>JED-003</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 09.10.1995 |
|                   |                | CAN          | BT361493   |

### Pedigree

|                             |            |                            |         |
|-----------------------------|------------|----------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA ROTATE             |         |
| JUNIPER ROTATE JED-ET       |            | US000001697572             |         |
| US000002040728              | <b>PGD</b> | HURL-FOUR TRADITION JACKY  |         |
|                             |            | US0000011997469            |         |
| <b>Dam</b>                  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |         |
| WINDEMERE-MASMILL JELLYBEAN |            | US000001983348             | TDN-004 |
| US0000014237052             | <b>MGD</b> | MASPRING DARRYL JANET      |         |
|                             |            | US0000013163039            |         |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>303</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>-627</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 560.        |
| <b>6274</b>                 |            |           |           | <b>-366</b> |            | <b>18</b> | <b>0,63</b> | <b>SCS</b> | <b>3,13</b> |
|                             |            |           |           |             |            | <b>-9</b> | <b>0,04</b> | rank       | 709.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 8</b> | Daug. | <b>70</b> | 78,4 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>1,10</b> |
|                  |             |       |               |       |           |      |      | rank        | 139.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,02 |    |    |   |    |    |
| Angularity            | 0,41  |    |    |   |    |    |
| Chest Width           | -0,51 |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | -0,74 |    |    |   |    |    |
| Rear Legs Side View   | -0,59 |    |    |   |    |    |
| Foot Angle            | 0,74  |    |    |   |    |    |
| Fore Udder Attachment | -0,10 |    |    |   |    |    |
| Front Teat Placement  | 0,35  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | 0,77  |    |    |   |    |    |
| Central Ligament      | 0,34  |    |    |   |    |    |
| Udder Depth           | -0,45 |    |    |   |    |    |
| Rump Width            | 0,55  |    |    |   |    |    |
| Rear Legs Rear View   | 0,66  |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | -0,02 |    |    |   |    |    |
| Body Condition        | 0,10  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,03</b> |
| 78,3 | <b>Dairy Strength</b>  | <b>0,93</b>  |
| 78,2 | <b>Feet &amp; Legs</b> | <b>1,52</b>  |
| 77,3 | <b>Udder</b>           | <b>1,12</b>  |
|      | <b>SHI</b>             | <b>24,9</b>  |
|      | rank                   | 267.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                            |                                   |                   |                       |
|----------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>KREGNOL TOP LUKE-ET</b> | <b>US000002267089</b>             | <b>10.09.1994</b> | <b>LU-012</b>         |
| Country of origin          | US                                | <b>Breed</b>      | H100                  |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                            |                                   | Paternity         | 01.05.1995            |
|                            |                                   | USA               | IG209839D             |

### Pedigree

|                              |                |                              |
|------------------------------|----------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS    |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                      |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET  |
| CLE-005                      | US000012365669 |                              |
| <b>Dam</b>                   | <b>MGS</b>     | HOW-EL-ACRES KIRK BELLMAN-ET |
| D-K-DANDY GALLANTLEAH-ET     | US000001874634 |                              |
| US000014891035               | <b>MGD</b>     | D-K-DANDY MARK GLAMORE       |
|                              | US000013120660 |                              |

|                             |            |            |            |              |             |              |             |             |             |
|-----------------------------|------------|------------|------------|--------------|-------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds      | <b>118</b> | Daug.        | <b>1794</b> | Rel.         | <b>99 %</b> | <b>SPI</b>  | <b>1156</b> |
| Number controls             | <b>BV</b>  | Milk       | Fat        | %            | Prot.       | %            | rank        |             | 214.        |
| <b>38187</b>                |            | <b>474</b> | <b>3</b>   | <b>-0,28</b> | <b>7</b>    | <b>-0,17</b> | <b>SCS</b>  | <b>3,36</b> |             |
|                             |            |            |            |              |             |              | rank        |             | 996.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>72 / 26</b> | Daug. | <b>413</b> | 78,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>1,10</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 140.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | 0,56  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | -0,59 |    |    |   |    |    |
| Rear Legs Side View   | -0,75 |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | 0,58  |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | 0,56  |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,91  |    |    |   |    |    |
| Udder Depth           | 0,32  |    |    |   |    |    |
| Rump Width            | -0,41 |    |    |   |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   |    |    |
| Rear Teat Placement   | 0,16  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,37  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 80,9 | <b>Frame</b>           | <b>0,23</b>  |
|                 | 78,3 | <b>Dairy Strength</b>  | <b>-0,01</b> |
|                 | 78,4 | <b>Feet &amp; Legs</b> | <b>1,11</b>  |
|                 | 77,5 | <b>Udder</b>           | <b>1,62</b>  |
|                 |      | <b>SHI</b>             | <b>78,7</b>  |
|                 |      | rank                   | 128.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells  
 SHA 11/2017 Type breeding values released by (Slovak Holstein Association)  
 Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).  
 SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>HORTY</b>      | <b>CZ000038451061</b>             | <b>27.04.2003</b> | <b>FOM-025</b>        |
| Country of origin | CZ                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 05.06.2009            |
|                   |                                   | CZ                | 0400129               |

### Pedigree

|                     |                |                             |
|---------------------|----------------|-----------------------------|
| <b>Sire</b>         | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET    | US000002163822 | LAD-009                     |
| US000017349617      | <b>PGD</b>     | CRACIN AEROSTAR MELISSA     |
| FOM-004             | US000015172400 |                             |
| <b>Dam</b>          | <b>MGS</b>     | BRABANT STAR PATRON-ET      |
| NO-PE PATRON AKAZIE | US000002160458 | BS-034                      |
| CZ000068862502      | <b>MGD</b>     | DE001021359487              |

|                             |              |              |            |             |             |             |             |            |              |
|-----------------------------|--------------|--------------|------------|-------------|-------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017   | Herds        | <b>109</b> | Daug.       | <b>2328</b> | Rel.        | <b>99 %</b> | <b>SPI</b> | <b>2247</b>  |
| Number controls             | <b>44202</b> | <b>BV</b>    |            | <b>Milk</b> | <b>469</b>  | <b>Fat</b>  | <b>17</b>   | <b>%</b>   | <b>-0,03</b> |
|                             |              | <b>Prot.</b> | <b>18</b>  | <b>%</b>    | <b>0,06</b> | <b>rank</b> | <b>77.</b>  | <b>SCS</b> | <b>3,18</b>  |
|                             |              |              |            | <b>rank</b> | <b>767.</b> |             |             |            |              |

|                  |             |       |                |       |            |             |             |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>94 / 28</b> | Daug. | <b>574</b> | <b>80,6</b> | Rel.        | <b>97 %</b> | <b>TYPE</b> | <b>1,09</b> |
|                  |             |       |                |       |            |             | <b>rank</b> | <b>141.</b> |             |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,33  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,55  |    |    |   |    |    |
| Rump Angle            | 0,12  |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | -0,41 |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | 0,52  |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,79  |    |    |   |    |    |
| Central Ligament      | 0,18  |    |    |   |    |    |
| Udder Depth           | -0,53 |    |    |   |    |    |
| Rump Width            | 0,59  |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | 0,34  |    |    |   |    |    |
| Locomotion            | -0,47 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,3 | <b>Frame</b>           | <b>0,87</b>  |
| 82,4 | <b>Dairy Strength</b>  | <b>2,19</b>  |
| 80,5 | <b>Feet &amp; Legs</b> | <b>-1,75</b> |
| 77,3 | <b>Udder</b>           | <b>0,94</b>  |
|      | <b>SHI</b>             | <b>111,2</b> |
|      | <b>rank</b>            | <b>72.</b>   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GEN-I-BEQ SKYFIRE RED</b> | <b>CA000104862628</b> | <b>09.10.2007</b> | <b>BS-061</b>  |
| Country of origin            | CA                    | <b>Breed</b>      | R100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 18.07.2008     |
|                              |                       | CA                | DC211859       |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | MARKIM THUNDER             |
| DUDOC MR BURNS-ET          |            | US000017144785             |
| CA000100745543             | <b>PGD</b> | GRANDUC MAGGIE STORM-ET    |
| BS-047                     |            | CA000006873895             |
| <b>Dam</b>                 | <b>MGS</b> | PURSUIT SEPTEMBER STORM-ET |
| GEN-I-BEQ SEPTEMBER SKY-ET |            | CA000006820564             |
| CA000103544314             | <b>MGD</b> | GEN-I-BEQ IGNITER SACHA-ET |
|                            |            | CA000009221643             |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.      | <b>163</b> | Rel.     | <b>93 %</b>  | <b>SPI</b> | <b>520</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | Prot.      | %            |
| <b>1468</b>                 |            |           |           | <b>308</b> |            | <b>4</b> | <b>-0,16</b> | <b>-0</b>  | <b>-0,21</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>2,40</b>  |
|                             |            |           |           |            |            |          |              | rank       | 324.         |
|                             |            |           |           |            |            |          |              | rank       | 39.          |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 3</b> | Daug. | <b>24</b> | 81,3 | Rel. | <b>62 %</b> | <b>TYPE</b> | <b>1,08</b> |
|                  |             |       |              |       |           |      |      | rank        | 142.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,22  |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,79 |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | 0,21  |    |    |   |    |    |
| Front Teat Placement  | 0,85  |    |    |   |    |    |
| Teat Length           | -0,51 |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,43  |    |    |   |    |    |
| Udder Depth           | 0,73  |    |    |   |    |    |
| Rump Width            | 0,05  |    |    |   |    |    |
| Rear Legs Rear View   | -0,47 |    |    |   |    |    |
| Rear Teat Placement   | 0,75  |    |    |   |    |    |
| Locomotion            | -0,40 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

84,2 **Frame** **1,59**

81,5 **Dairy Strength** **0,40**

82,6 **Feet & Legs** **0,37**

79,5 **Udder** **0,70**

**SHI** **59,0**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>GRIBALDI</b>  | <b>NL000396302665</b> | <b>18.07.2005</b> | <b>LEO-004</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.11.2006 |
|                   |                                   | NL           | 149147     |

### Pedigree

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | FRANKENHOF LUCKY LEO         |
| IJSSEVLIEDT 140             |            | NL000777133097               |
| NL000235387828              | <b>PGD</b> | IJSSEVLIEDT ROZA 105         |
|                             |            | NL000857556165               |
| <b>Dam</b>                  | <b>MGS</b> | ARCHIBALD                    |
| KINGFARM HOLSEINS GUSTA 281 |            | NL000811488961               |
| NL000240593618              | <b>MGD</b> | KINGFARM HOLSTEINS GUSTA 281 |
|                             |            | NL000179890811               |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 87  | Rel. | 92 %  | <b>SPI</b> | -1380      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1834</b>                 |            |           |    | -490  | -1  | 0,35 | -10   | 0,11       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 728.       |
|                             |            |           |    |       |     |      |       |            | 917.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 7 | Daug. | 18 | 79,7 | Rel. | 58 % | <b>TYPE</b> | 1,08 |
|                  |             |       |        |       |    |      |      |      | rank        | 143. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | -0,47 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | -0,05 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,17  |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | -0,74 |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 1,11  |    |    |   |    |    |
| Rear Udder Width      | 0,43  |    |    |   |    |    |
| Central Ligament      | 0,44  |    |    |   |    |    |
| Udder Depth           | 0,79  |    |    |   |    |    |
| Rump Width            | 0,40  |    |    |   |    |    |
| Rear Legs Rear View   | 0,97  |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>0,93</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,5 | <b>Dairy Strength</b> | <b>-0,79</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 81,1 | <b>Feet &amp; Legs</b> | <b>0,78</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,4 | <b>Udder</b> | <b>1,15</b> |
|------|--------------|-------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>1,6</b> |
|--|------------|------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                       |
|---------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>FIDELITY RTH TYSON</b> | <b>US000002096310</b>             | <b>17.09.1988</b> | <b>GEN-010</b>        |
| Country of origin         | US                                | <b>Breed</b>      | H100                  |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                           |                                   | Paternity         | 05.07.1989            |
|                           |                                   | USA               | IG126550A             |

### Pedigree

|                      |            |                             |
|----------------------|------------|-----------------------------|
| <b>Sire</b>          | <b>PGS</b> | GLENDELL ARLINDA CHIEF      |
| ARLINDA ROTATE       |            | US000001556373              |
| US000001697572       | <b>PGD</b> | ARLINDA CHIEF ROSE          |
|                      |            | US000007370146              |
| <b>Dam</b>           | <b>MGS</b> | CARLIN-M IVANHOE BELL       |
| MYERWOOD BELL LIZZIE |            | US000001667366              |
| US0000011530449      | <b>MGD</b> | HOBBYS MYERWOOD PETE LIZZIE |
|                      |            | US0000010290988             |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 77 | Daug. | 816 | Rel. | 99 % | <b>SPI</b> | -2454 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 15263                       |            |           |    | -594  |     | -17  | 0,10 | -18        | 0,01  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,91  |
|                             |            |           |    |       |     |      |      | rank       | 968.  |
|                             |            |           |    |       |     |      |      | rank       | 414.  |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 26 / 17 | Daug. | 74 | 78,6 | Rel. | 88 % | <b>TYPE</b> | 1,08 |
|                  |             |       |         |       |    |      |      |      | rank        | 144. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,24  |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | 0,62  |    |    |   |    |    |
| Body Depth            | 0,75  |    |    |   |    |    |
| Rump Angle            | 0,75  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | 0,40  |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,26  |    |    |   |    |    |
| Rear Udder Height     | -0,35 |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | 0,27  |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,5 | <b>Frame</b>           | 2,01  |
| 76,4 | <b>Dairy Strength</b>  | 1,09  |
| 78,2 | <b>Feet &amp; Legs</b> | 0,61  |
| 77,7 | <b>Udder</b>           | -0,21 |
|      | <b>SHI</b>             | -31,0 |
|      | rank                   | 457.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                            |                   |                       |
|------------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                   | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>JENNY-LOU MRSHL TOYSTORY-ET</b> | <b>US000060372887</b>      | <b>07.05.2001</b> | <b>BW-053</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 18.11.2005 |
|                   |                                   | US           | MO5010745  |

### Pedigree

|                             |            |                          |         |
|-----------------------------|------------|--------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET   |         |
| MARA-THON BW MARSHALL-ET TV |            | US000002103297           | MEW-004 |
| US000002290977              | <b>PGD</b> | MORGAN VALLEY ELTON MARA |         |
|                             |            | US000014840387           |         |
| <b>Dam</b>                  | <b>MGS</b> | BRABANT STAR PATRON-ET   |         |
| JENNY-LOU PATRON TOYANE     |            | US000002160458           | BS-034  |
| US000017313307              | <b>MGD</b> | JENNY-LOU LUKE TAKIA     |         |
|                             |            | US000015749666           |         |

|                             |            |           |   |            |     |          |              |            |              |
|-----------------------------|------------|-----------|---|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 8 | Daug.      | 113 | Rel.     | 92 %         | <b>SPI</b> | 1152         |
| Number controls             |            | <b>BV</b> |   | Milk       |     | Fat      |              | rank       | ...          |
| <b>1187</b>                 |            |           |   | <b>361</b> |     | <b>6</b> | <b>-0,14</b> | <b>7</b>   | <b>-0,08</b> |
|                             |            |           |   |            |     |          |              | <b>SCS</b> | <b>2,67</b>  |
|                             |            |           |   |            |     |          |              | rank       | ...          |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 4 | Daug. | 70 | 81,1 | Rel. | 85 % | <b>TYPE</b> | 1,07 |
|                  |             |       |        |       |    |      |      | rank | 145.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | 0,19  |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | 0,49  |    |    |   |    |    |
| Rear Legs Side View   | -0,36 |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 0,67  |    |    |   |    |    |
| Front Teat Placement  | 0,34  |    |    |   |    |    |
| Teat Length           | 0,82  |    |    |   |    |    |
| Rear Udder Height     | 0,48  |    |    |   |    |    |
| Rear Udder Width      | 0,24  |    |    |   |    |    |
| Central Ligament      | 0,28  |    |    |   |    |    |
| Udder Depth           | 0,91  |    |    |   |    |    |
| Rump Width            | -0,47 |    |    |   |    |    |
| Rear Legs Rear View   | 1,05  |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | -0,34 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 82,3 | <b>Frame</b>           | <b>0,30</b>  |
|                 | 80,3 | <b>Dairy Strength</b>  | <b>-0,13</b> |
|                 | 83,9 | <b>Feet &amp; Legs</b> | <b>0,68</b>  |
|                 | 79,4 | <b>Udder</b>           | <b>1,16</b>  |
|                 |      | <b>SHI</b>             | <b>77,7</b>  |
|                 |      | rank                   | 132.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                            |                   |                       |
|-----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>            | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ROSBURG MARSHALL DAN</b> | <b>US000060465353</b>      | <b>07.02.2002</b> | <b>BW-028</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 03.12.2002 |
|                   |                                   | US           | 636380     |

### Pedigree

|                             |            |                           |         |
|-----------------------------|------------|---------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET    |         |
| MARA-THON BW MARSHALL-ET TV |            | US000002103297            | MEW-004 |
| US000002290977              | <b>PGD</b> | MORGAN VALLEY ELTON MARA  |         |
|                             |            | US000014840387            |         |
| <b>Dam</b>                  | <b>MGS</b> | RICECREST LANTZ-ET        |         |
| ROSBURG LANTZ DARLENE       |            | US000002266008            | LU-011  |
| US000128843686              | <b>MGD</b> | KERNDTWAY CONVERSE DEB-ET |         |
|                             |            | US000015514396            |         |

|                             |            |           |           |            |             |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>84</b> | Daug.      | <b>1915</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1302</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      | %            | rank       | 187.         |
| <b>37101</b>                |            |           |           | <b>502</b> |             | <b>4</b> | <b>-0,28</b> | <b>8</b>   | <b>-0,16</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>3,25</b>  |
|                             |            |           |           |            |             |          |              | rank       | 861.         |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>139 / 33</b> | Daug. | <b>868</b> | 80,0 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>1,07</b> |
|                  |             |       |                 |       |            |      |      | rank        | 146.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | -0,33 |    |    |   |    |    |
| Chest Width           | 0,22  |    |    |   |    |    |
| Body Depth            | 0,31  |    |    |   |    |    |
| Rump Angle            | -0,30 |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,53  |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | 0,43  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 0,26  |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | 0,58  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>0,50</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,0 | <b>Dairy Strength</b> | <b>-0,07</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,6 | <b>Feet &amp; Legs</b> | <b>0,96</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,0 | <b>Udder</b> | <b>1,37</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>82,0</b> |
|--|------------|-------------|

rank 122.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>RONVINCER</b>         | <b>FR006115061932</b>                    | <b>08.01.2000</b> | <b>ELN-005</b>        |
| <b>Country of origin</b> | <b>FR</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>03.08.2001</b>     |
|                          |  | <b>FRA</b>        | <b>GS779504</b>       |

### Pedigree

|                     |            |                         |
|---------------------|------------|-------------------------|
| <b>Sire</b>         | <b>PGS</b> | EMPRISE BELL ELTON      |
| WA-DEL CONVINCER-ET |            | US000001912270          |
| US000002249055      | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET |
| ELN-002             |            | US000013372706          |
| <b>Dam</b>          | <b>MGS</b> | ETAZON LORD LILY-ET     |
| NYNCE               |            | NL000780180664          |
| FR006105029030      | <b>MGD</b> | HPV LYNCEA              |
|                     |            | FR005395017528          |

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>34</b>  | <b>Daug.</b> | <b>75</b>    | <b>Rel.</b>  | <b>91 %</b> | <b>SPI</b>  | <b>686</b>  |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> |             | <b>303.</b> |
| <b>1429</b>                 |                   | <b>274</b>   | <b>5</b>   | <b>-0,11</b> | <b>3</b>     | <b>-0,13</b> | <b>SCS</b>  | <b>3,33</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              |             |             | <b>952.</b> |

|                  |                    |              |                |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|----------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>16 / 11</b> | <b>Daug.</b> | <b>26</b> | <b>78,5</b> | <b>Rel.</b> | <b>68 %</b> | <b>TYPE</b> | <b>1,07</b> |
|                  |                    |              |                |              |           |             |             |             | <b>rank</b> | <b>147.</b> |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | 0,66  |    |    |   |    |    |
| Chest Width           | -0,71 |    |    |   |    |    |
| Body Depth            | -0,52 |    |    |   |    |    |
| Rump Angle            | 1,49  |    |    |   |    |    |
| Rear Legs Side View   | 0,36  |    |    |   |    |    |
| Foot Angle            | -0,50 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 1,66  |    |    |   |    |    |
| Teat Length           | -1,41 |    |    |   |    |    |
| Rear Udder Height     | 0,35  |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 1,22  |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | 0,19  |    |    |   |    |    |
| Rear Teat Placement   | 1,74  |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | -0,94 |    |    |   |    |    |

daught. average

81,5 **Frame** **0,58**

78,5 **Dairy Strength** **0,53**

77,1 **Feet & Legs** **-0,08**

77,4 **Udder** **1,45**

**SHI** **63,4**

rank 165.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>MORI-ET</b>   | <b>NL000362231722</b> | <b>06.11.2003</b> | <b>FOM-023</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | NL             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 15.01.2004 |
|                   |                | NL           | 107890     |

### Pedigree

|                  |            |                             |
|------------------|------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b> | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET |            | US000002163822              |
| US000017349617   |            | LAD-009                     |
| FOM-004          | <b>PGD</b> | CRACIN AEROSTAR MELISSA     |
|                  |            | US000015172400              |
| <b>Dam</b>       | <b>MGS</b> | DELTA NOVALIS               |
| FROUKJE 277      |            | NL000817118723              |
| NL000226625548   | <b>MGD</b> | FROUKJE 219                 |
|                  |            | NL000838621088              |

|                             |            |           |          |             |            |           |             |            |             |
|-----------------------------|------------|-----------|----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>9</b> | Daug.       | <b>149</b> | Rel.      | <b>94 %</b> | <b>SPI</b> | <b>-185</b> |
| Number controls             |            | <b>BV</b> |          | Milk        |            | Fat       |             | rank       | ...         |
| <b>2436</b>                 |            |           |          | <b>-249</b> |            | <b>-3</b> | <b>0,12</b> | <b>SCS</b> | <b>3,55</b> |
|                             |            |           |          |             |            | <b>4</b>  | <b>0,26</b> | rank       | ...         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 2</b> | Daug. | <b>10</b> | 80,3 | Rel. | <b>52 %</b> | <b>TYPE</b> | <b>1,06</b> |
|                  |             |       |              |       |           |      |      | rank        | 148.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,89  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | -0,19 |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | 0,66  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 0,68  |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | 0,64  |    |    |   |    |    |
| Rear Udder Width      | 1,04  |    |    |   |    |    |
| Central Ligament      | -0,52 |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,8 | <b>Frame</b> | <b>0,73</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,1 | <b>Dairy Strength</b> | <b>0,47</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,5 | <b>Feet &amp; Legs</b> | <b>0,53</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,76</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>36,6</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>WILCOX CALIFA</b> | <b>ES009202316952</b>             | <b>11.12.2003</b> | <b>FOM-024</b> |
| Country of origin    | ES                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 22.03.2004     |
|                      |                                   | NL                | 112162         |

### Pedigree

**Sire** \_\_\_\_\_ **PGS** SHEN-VAL NV LM FORMATION-ET  
OPSAL FINLEY-ET US000002163822 **LAD-009**  
US000120780521

**PGD** DE-SU OPSAL ETHAN FIONA-ET  
US000015788871

**Dam** \_\_\_\_\_ **MGS** STARTMORE RUDOLPH-ET  
WILCOXVIEW RUDOLPH CALI-ET CA000005470579 **ARS-015**  
US000120190690

**MGD** WILCOXVIEW BC CAMI-ET  
US000015964475

|                             |            |           |   |           |           |             |           |             |            |
|-----------------------------|------------|-----------|---|-----------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug.     | 117       | Rel.        | 94 %      | <b>SPI</b>  | 1212       |
| Number controls             |            | <b>BV</b> |   | Milk      | Fat       | %           | Prot.     | %           | rank       |
| <b>2735</b>                 |            |           |   | <b>69</b> | <b>18</b> | <b>0,28</b> | <b>10</b> | <b>0,16</b> | <b>SCS</b> |
|                             |            |           |   |           |           |             |           |             | rank       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 8 | Daug. | 68 | 80,0 | Rel. | 83 % | <b>TYPE</b> | 1,05 |
|                  |             |       |        |       |    |      |      |      | rank        | 149. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,59  |    |    |   |    |    |
| Angularity            | -0,34 |    |    |   |    |    |
| Chest Width           | 0,58  |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | -1,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,05 |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | 0,04  |    |    |   |    |    |
| Teat Length           | 0,01  |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | -0,29 |    |    |   |    |    |
| Udder Depth           | 0,36  |    |    |   |    |    |
| Rump Width            | 1,41  |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

84,1 **Frame** 1,19

80,5 **Dairy Strength** 0,18

81,3 **Feet & Legs** 0,98

77,0 **Udder** 0,28

**SHI** 78,5

rank 129.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>GILLETTE CUTLER-ET</b> | <b>CA000008209795</b> | <b>11.05.2001</b> | <b>JUX-007</b> |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 18.07.2007     |
|                           |                       | CA                | DC52763        |

### Pedigree

|                        |            |                           |        |
|------------------------|------------|---------------------------|--------|
| <b>Sire</b>            | <b>PGS</b> | KED JUROR-ET              |        |
| SUMMERSHADE IGNITER    |            | US000002124357            | BS-017 |
| CA000006466625         | <b>PGD</b> | SUMMERSHADE ILENE SCOT-ET |        |
|                        |            | CA000005619306            |        |
| <b>Dam</b>             | <b>MGS</b> | MAUGHLIN STORM-ET         |        |
| BREADALE SECOND CUT-ET |            | CA000005457798            |        |
| CA000006860889         | <b>MGD</b> | BRAEDALE GYPSY GRAND      |        |
|                        |            | CA000005912235            |        |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 112 | Rel. | 94 %  | <b>SPI</b> | -1337      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>2064</b>                 |            |           |    | -466  | -8  | 0,20 | -8    | 0,16       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 721.       |
|                             |            |           |    |       |     |      |       |            | 582.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 6 | Daug. | 31 | 80,5 | Rel. | 69 % | <b>TYPE</b> | 1,04 |
|                  |             |       |        |       |    |      |      |      | rank        | 150. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,26  |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | -0,63 |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | 0,73  |    |    |   |    |    |
| Teat Length           | -0,71 |    |    |   |    |    |
| Rear Udder Height     | 0,39  |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | 0,72  |    |    |   |    |    |
| Rump Width            | -0,37 |    |    |   |    |    |
| Rear Legs Rear View   | 0,81  |    |    |   |    |    |
| Rear Teat Placement   | 0,59  |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 82,5 | <b>Frame</b> | 0,14 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 80,7 | <b>Dairy Strength</b> | 0,04 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 82,2 | <b>Feet &amp; Legs</b> | 0,94 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 78,6 | <b>Udder</b> | 1,26 |
|------|--------------|------|

|  |            |     |
|--|------------|-----|
|  | <b>SHI</b> | 1,2 |
|--|------------|-----|

rank 362.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>COMESTAR EXPORT-ET</b> | <b>CA000006812634</b> | <b>15.04.1997</b> | <b>ELL-001</b> |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 10.09.1997     |
|                           |                       | CAN               | BT401884       |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | TO-MAR BLACKSTAR-ET        |
| ETAZON LORD LILY-ET     |            | US000001929410             |
| NL000780180664          | <b>PGD</b> | HIGH-SIGHTS ROTATE LILY-ET |
|                         |            | US000012951348             |
| <b>Dam</b>              | <b>MGS</b> | A TOWNSON LINDY-ET         |
| COMESTAR LAURALYN LINDY |            | CA000000382748             |
| CA000006341920          | <b>MGD</b> | COMESTAR LAURA BLACK-ET    |
|                         |            | CA000005319783             |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>487</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-80</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %           |
| <b>10163</b>                |            |           |           | <b>-220</b> |            | <b>14</b> | <b>0,43</b> | <b>-2</b>  | <b>0,09</b> |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>3,21</b> |
|                             |            |           |           |             |            |           |             | rank       | 444.        |
|                             |            |           |           |             |            |           |             | rank       | 794.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 6</b> | Daug. | <b>139</b> | 79,3 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>1,04</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 151.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,89  |    |    |   |    |    |
| Chest Width           | -0,48 |    |    |   |    |    |
| Body Depth            | -0,67 |    |    |   |    |    |
| Rump Angle            | 1,07  |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,57  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | -0,11 |    |    |   |    |    |
| Rear Udder Height     | 0,68  |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | 0,80  |    |    |   |    |    |
| Rump Width            | -0,10 |    |    |   |    |    |
| Rear Legs Rear View   | 0,68  |    |    |   |    |    |
| Rear Teat Placement   | 0,49  |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>-0,16</b> |
| 80,2 | <b>Dairy Strength</b>  | <b>1,24</b>  |
| 79,1 | <b>Feet &amp; Legs</b> | <b>-0,24</b> |
| 77,8 | <b>Udder</b>           | <b>1,68</b>  |
|      | <b>SHI</b>             | <b>39,0</b>  |
|      | rank                   | 235.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>HUIJBEN CLOUDY-ET</b> | <b>NL000885374913</b>             | <b>24.05.2012</b> | <b>AML-009</b> |
| Country of origin        | NL                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 07.11.2012     |
|                          |                                   | DE                | 12/14356       |

### Pedigree

|                      |                |                             |
|----------------------|----------------|-----------------------------|
| <b>Sire</b>          | <b>PGS</b>     | CHARLESDALE SUPERSTITION-ET |
| GENERVATIONS EPIC-ET | US000062065919 | AML-004                     |
| CA000011104016       | <b>PGD</b>     | TRAMILDA-N BAXTER EMILY-ET  |
| AML-016              | US000139232811 |                             |
| <b>Dam</b>           | <b>MGS</b>     | ENSENADA TABOO PLANET-ET    |
| ELAINE-ET            | US000060597003 | BS-050                      |
| DE000664101904       | <b>MGD</b>     | RAINYRIDGE MR BURNS EARA    |
|                      | CA000009728492 |                             |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 85  | Rel. | 84 %  | <b>SPI</b> | 2466       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>398</b>                  |            |           |    | 425   | 20  | 0,05 | 21    | 0,15       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 63.        |
|                             |            |           |    |       |     |      |       |            | 19.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 13 | 82,5 | Rel. | 48 % | <b>TYPE</b> | 1,02 |
|                  |             |       |       |       |    |      |      |      | rank        | 152. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,58  |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | 0,74  |    |    |   |    |    |
| Teat Length           | -0,09 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | 0,23  |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | 1,15  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | -0,25 |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

85,5 **Frame** 0,75

81,8 **Dairy Strength** 0,81

83,9 **Feet & Legs** 0,16

80,8 **Udder** 0,93

**SHI** 115,3

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>NORMANNA BUCKEYE SUBLIME</b> | <b>US000138124542</b> | <b>12.12.2006</b> | <b>BW-058</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 06.09.2007 |
|                   |                                   | US           | M07030405  |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| R-E-W BUCKEYE-ET       |            | US000002290977              |
| US000130588960         | <b>PGD</b> | MAYERLANE RUD BUBBLE-ET     |
| BW-036                 |            | US000120536177              |
| <b>Dam</b>             | <b>MGS</b> | REGANCREST ELTON DURHAM-ET  |
| NORMANNA DURHAM SAMBRA |            | US000002250783              |
| US000130752064         | <b>MGD</b> | NORMANNA LINDY SAMBRA       |
|                        |            | US000121491235              |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 243 | Rel.  | 94 % | <b>SPI</b> | 1695        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 1422                        |            |           |    | 591   | 8   | -0,26 | 10   | -0,17      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 137.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 473.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 9 | Daug. | 85 | 81,8 | Rel. | 84 % | <b>TYPE</b> | 1,02 |
|                  |             |       |        |       |    |      |      |      | rank        | 153. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,80  |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | -0,08 |    |    |   |    |    |
| Body Depth            | -0,05 |    |    |   |    |    |
| Rump Angle            | -0,26 |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | 0,27  |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | 0,56  |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | -0,06 |    |    |   |    |    |
| Rump Width            | 0,59  |    |    |   |    |    |
| Rear Legs Rear View   | 0,22  |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | 0,48  |    |    |   |    |    |
| Body Condition        | -0,06 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 85,8 | <b>Frame</b> | 1,00 |
|------|--------------|------|

|      |                       |       |
|------|-----------------------|-------|
| 81,0 | <b>Dairy Strength</b> | -0,07 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 83,7 | <b>Feet &amp; Legs</b> | 1,10 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 79,4 | <b>Udder</b> | 0,61 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 92,0 |
|--|------------|------|

rank 100.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>CHAMPION KING ELSON 1-ET</b> | <b>NL000610943276</b> | <b>12.08.2012</b> | <b>MNA-020</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 06.02.2013 |
|                   |                                   | DE           | 13/1890    |

### Pedigree

|                            |            |                         |         |
|----------------------------|------------|-------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | RIDGE-STAR JAMMER-ET    |         |
| VA-EARLY-DAWN SUDAN CRI-ET |            | US000130247861          | MNA-017 |
| US000062768990             | <b>PGD</b> | WINDROSE SLR SUGAREE-ET |         |
|                            |            | US000124857041          |         |
| <b>Dam</b>                 | <b>MGS</b> | LONG-LANGS OMAN OMAN-ET |         |
| 010 QUEEN ELSA             |            | US000135746776          |         |
| NL000568241105             | <b>MGD</b> | FG ELSA 5               |         |
|                            |            | NL000388965784          |         |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.      | 169 | Rel.      | 92 %        | <b>SPI</b> | 3962        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %           |
| <b>979</b>                  |            |           |    | <b>676</b> |     | <b>40</b> | <b>0,23</b> | <b>30</b>  | <b>0,17</b> |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | 2,46        |
|                             |            |           |    |            |     |           |             | rank       | 16.         |
|                             |            |           |    |            |     |           |             | rank       | 62.         |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 26 / 10 | Daug. | 70 | 82,3 | Rel. | 81 % | <b>TYPE</b> | 1,02 |
|                  |             |       |         |       |    |      |      |      | rank        | 154. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,48  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,26 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 0,58  |    |    |   |    |    |
| Rear Legs Side View   | -0,37 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,70  |    |    |   |    |    |
| Front Teat Placement  | 0,32  |    |    |   |    |    |
| Teat Length           | -0,88 |    |    |   |    |    |
| Rear Udder Height     | 0,58  |    |    |   |    |    |
| Rear Udder Width      | -0,05 |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | 1,11  |    |    |   |    |    |
| Rump Width            | -0,43 |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,9 | <b>Frame</b> | <b>0,54</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 81,2 | <b>Dairy Strength</b> | <b>-0,44</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,8 | <b>Feet &amp; Legs</b> | <b>0,50</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 80,7 | <b>Udder</b> | <b>1,35</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>160,1</b> |
|--|------------|--------------|

rank 19.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>BUSLAK TITANIC ELEK</b> | <b>SK000800121443</b> | <b>21.07.2005</b> | <b>SOM-020</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | SK             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 15.12.2006 |
|                   |                | SK           | 0393/13    |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | MAUGHLIN STORM-ET      |
| HARTLINE TITANIC-ET |            | CA000005457798         |
| US000123066734      | <b>PGD</b> | DOCO LEADMAN TENACIOUS |
| SOM-007             |            | US000014734618         |
| <b>Dam</b>          | <b>MGS</b> | CAERNARVON JAY-ET      |
| SK000082797843      |            | US000002204207         |
|                     | <b>MGD</b> | XX000000000000         |

|                             |            |           |           |            |            |              |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.      | <b>311</b> | Rel.         | <b>96 %</b> | <b>SPI</b> | <b>3278</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.        |             | rank       | 28.         |
| <b>3492</b>                 |            |           |           | <b>860</b> | <b>26</b>  | <b>-0,12</b> | <b>21</b>   | <b>SCS</b> | <b>2,58</b> |
|                             |            |           |           |            |            |              |             | rank       | 110.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 8</b> | Daug. | <b>48</b> | 79,8 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>1,01</b> |
|                  |             |       |               |       |           |      |      | rank        | 155.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | -0,56 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | 0,32  |    |    |   |    |    |
| Rump Angle            | -1,15 |    |    |   |    |    |
| Rear Legs Side View   | -0,72 |    |    |   |    |    |
| Foot Angle            | 0,86  |    |    |   |    |    |
| Fore Udder Attachment | 0,51  |    |    |   |    |    |
| Front Teat Placement  | 0,76  |    |    |   |    |    |
| Teat Length           | 0,88  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,62  |    |    |   |    |    |
| Central Ligament      | 0,78  |    |    |   |    |    |
| Udder Depth           | 0,91  |    |    |   |    |    |
| Rump Width            | 1,02  |    |    |   |    |    |
| Rear Legs Rear View   | 0,40  |    |    |   |    |    |
| Rear Teat Placement   | 0,65  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,50  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,8 | <b>Frame</b> | <b>0,67</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,0 | <b>Dairy Strength</b> | <b>-0,93</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,8 | <b>Feet &amp; Legs</b> | <b>1,31</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,3 | <b>Udder</b> | <b>1,27</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>139,4</b> |
|--|------------|--------------|

rank 31.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>FENYKL-ET</b>  | <b>CZ000120506769</b>             | <b>19.11.2001</b> | <b>LU-028</b>         |
| Country of origin | CZ                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 25.09.2002            |
|                   |                                   | CZ                | 123502                |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LEXVOLD LUKE HERSHEL-ET    |            | US000002071864               |
| US000002294436             | <b>PGD</b> | LEXVOLD MASCOT HILARY-ET     |
| LU-013                     |            | US000014854001               |
| <b>Dam</b>                 | <b>MGS</b> | GIBBON                       |
| GOLDEN OAKS GIBBON LISA-ET |            | FR002991000305               |
| US000121120238             | <b>MGD</b> | SOLID GOLD MOUNTAIN LA LA    |
|                            |            | US000015333725               |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 23 | Daug. | 339 | Rel.  | 98 % | <b>SPI</b> | 709        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 6076                        |            |           |    | 345   | 2   | -0,21 | 3    | -0,17      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 298.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 162.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 24 / 5 | Daug. | 89 | 79,4 | Rel. | 87 % | <b>TYPE</b> | 1,01 |
|                  |             |       |        |       |    |      |      |      | rank        | 156. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,96  |    |    |   |    |    |
| Angularity            | 0,04  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,35  |    |    |   |    |    |
| Rump Angle            | -0,62 |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | 0,28  |    |    |   |    |    |
| Fore Udder Attachment | -0,47 |    |    |   |    |    |
| Front Teat Placement  | -0,44 |    |    |   |    |    |
| Teat Length           | 0,44  |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | 0,49  |    |    |   |    |    |
| Central Ligament      | 0,15  |    |    |   |    |    |
| Udder Depth           | -0,04 |    |    |   |    |    |
| Rump Width            | -0,34 |    |    |   |    |    |
| Rear Legs Rear View   | 1,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,08 |    |    |   |    |    |
| Locomotion            | 0,33  |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 82,4 | <b>Frame</b>           | 0,91 |
| 79,5 | <b>Dairy Strength</b>  | 0,21 |
| 80,0 | <b>Feet &amp; Legs</b> | 1,97 |
| 77,4 | <b>Udder</b>           | 0,04 |
|      | <b>SHI</b>             | 61,9 |
|      | rank                   | 173. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>WAUREGAN JOCKEY-ET</b> | <b>US000002158941</b>      | <b>12.03.1991</b> | <b>LAD-007</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 02.08.1991 |
|                   |                | USA          | IG158508B  |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION     |
| ROTHROCK TRADITION LEADMAN |            | US000001682485            |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA   |
| TDN-004                    |            | US000010930744            |
| <b>Dam</b>                 | <b>MGS</b> | HANOVERHILL STARBUCK      |
| GERAN STARBUCK JAYLENE-ET  |            | CA000000352790            |
| US000012619668             | <b>MGD</b> | BRIGEEN VALIANT JACKIE-ET |
|                            |            | US000010863701            |

|                             |            |           |           |            |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>295</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>885</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %            |
| <b>5561</b>                 |            |           |           | <b>156</b> |            | <b>14</b> | <b>0,14</b> | <b>4</b>   | <b>-0,01</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>3,50</b>  |
|                             |            |           |           |            |            |           |             | rank       | 1116.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 6</b> | Daug. | <b>57</b> | 78,1 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>1,01</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 157.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,36 |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | -0,75 |    |    |   |    |    |
| Rear Legs Side View   | -1,07 |    |    |   |    |    |
| Foot Angle            | 0,34  |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | 0,10  |    |    |   |    |    |
| Teat Length           | 1,38  |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | -0,55 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | 0,78  |    |    |   |    |    |
| Rear Teat Placement   | 0,57  |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 79,7 | <b>Frame</b>           | <b>-0,17</b> |
|                 | 76,2 | <b>Dairy Strength</b>  | <b>1,44</b>  |
|                 | 78,8 | <b>Feet &amp; Legs</b> | <b>0,71</b>  |
|                 | 77,9 | <b>Udder</b>           | <b>1,10</b>  |
|                 |      | <b>SHI</b>             | <b>67,0</b>  |
|                 |      | rank                   | 156.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SULLY ALTAMETEOR-ET</b> | <b>US000066011447</b> | <b>20.02.2009</b> | <b>BS-063</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 29.10.2009 |
|                   |                | US           | MO9058293  |

### Pedigree

|                          |            |                          |         |
|--------------------------|------------|--------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET       |         |
| ENSENADA TABOO PLANET-ET |            | US000017121203           |         |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET |         |
| BS-050                   |            | US000130161039           |         |
| <b>Dam</b>               | <b>MGS</b> | PICSTON SHOTTLE-ET       |         |
| SULLY SHOTTLE MAY-TW     |            | GB000000598172           | PEL-033 |
| US000138218285           | <b>MGD</b> | MS SULLY OMAN MUETZE-ET  |         |
|                          |            | US000137317589           |         |

|                             |            |           |   |       |    |       |      |            |            |
|-----------------------------|------------|-----------|---|-------|----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug. | 89 | Rel.  | 88 % | <b>SPI</b> | 3004       |
| Number controls             |            | <b>BV</b> |   | Milk  |    | Fat   | %    | Prot.      | %          |
| 715                         |            |           |   | 979   | 2  | -0,57 | 25   | -0,11      | <b>SCS</b> |
|                             |            |           |   |       |    |       |      |            | rank       |
|                             |            |           |   |       |    |       |      |            | ...        |
|                             |            |           |   |       |    |       |      |            | rank       |
|                             |            |           |   |       |    |       |      |            | ...        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 41 | 83,2 | Rel. | 74 % | <b>TYPE</b> | 1,01 |
|                  |             |       |        |       |    |      |      |      | rank        | 158. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,56  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | 0,16  |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | 0,91  |    |    |   |    |    |
| Front Teat Placement  | 0,76  |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | 0,53  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,26  |    |    |   |    |    |
| Udder Depth           | 1,73  |    |    |   |    |    |
| Rump Width            | 0,70  |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,55  |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 86,0 | <b>Frame</b> | 0,95 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 83,0 | <b>Dairy Strength</b> | 0,61 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 84,4 | <b>Feet &amp; Legs</b> | 0,39 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 81,3 | <b>Udder</b> | 0,81 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 130,8 |
|--|------------|-------|

rank 39.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>LADYS-MANOR ARCHER-ET</b> | <b>US000135916988</b> | <b>19.10.2004</b> | <b>ALE-004</b> |
| Country of origin            | US                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 11.10.2005     |
|                              |                       | CA                | DC148423       |

### Pedigree

|                       |            |                        |         |
|-----------------------|------------|------------------------|---------|
| <b>Sire</b>           | <b>PGS</b> | OLIVEHOLME AEROLINE-ET |         |
| BRAEDALE FREELANCE-ET |            | CA000005429693         | ARS-022 |
| CA000006962003        | <b>PGD</b> | BRAEDALE GYPSY GRAND   |         |
| ALE-003               |            | CA000005912235         |         |
| <b>Dam</b>            | <b>MGS</b> | DIXIE-LEE AARON-ET     |         |
| LADYS-MANOR AUTUMN    |            | US000002265005         | LU-009  |
| US000060093782        | <b>MGD</b> | LADYS-MANOR TOREE-ET   |         |
|                       |            | US000121477095         |         |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 69  | Rel. | 91 %  | <b>SPI</b> | 1788       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1267                        |            |           |    | 300   | 19  | 0,13 | 13    | 0,08       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1074.      |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 8 | Daug. | 16 | 79,2 | Rel. | 62 % | <b>TYPE</b> | 1,00 |
|                  |             |       |        |       |    |      |      |      | rank        | 159. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,07  |    |    |   |    |    |
| Angularity            | 0,69  |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | -0,16 |    |    |   |    |    |
| Fore Udder Attachment | 0,42  |    |    |   |    |    |
| Front Teat Placement  | -0,31 |    |    |   |    |    |
| Teat Length           | -0,83 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,54  |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | 0,01  |    |    |   |    |    |
| Rump Width            | 0,47  |    |    |   |    |    |
| Rear Legs Rear View   | 0,61  |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

83,3 **Frame** 0,36

81,4 **Dairy Strength** 1,66

79,1 **Feet & Legs** 0,77

76,5 **Udder** 0,96

**SHI** 94,1

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>NORRIELAKE GIBSON-ET</b> | <b>US000017259131</b> | <b>14.12.1996</b> | <b>BS-044</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 04.12.1997 |
|                   |                                   | USA          | IG238117C  |

### Pedigree

|                          |            |                           |         |
|--------------------------|------------|---------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | TO-MAR BLACKSTAR-ET       |         |
| PEN-COL DUSTER-ET        |            | US000001929410            | CHR-002 |
| US000002147486           | <b>PGD</b> | BAYVILLE-HP SECRET DAWN   |         |
|                          |            | US000013454607            |         |
| <b>Dam</b>               | <b>MGS</b> | EMPRISE BELL ELTON        |         |
| NORRIELAKE ELTON GAIL-ET |            | US000001912270            |         |
| US000015716663           | <b>MGD</b> | NORRIELAKE LEADMAN ACE-ET |         |
|                          |            | US000014354410            |         |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.      | <b>455</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>1396</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %           |
| <b>9575</b>                 |            |           |           | <b>234</b> |            | <b>12</b> | <b>0,04</b> | <b>12</b>  | <b>0,09</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>3,11</b> |
|                             |            |           |           |            |            |           |             | rank       | 170.        |
|                             |            |           |           |            |            |           |             | rank       | 679.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>31 / 13</b> | Daug. | <b>200</b> | 78,7 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,99</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 160.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | 0,80  |    |    |   |    |    |
| Body Depth            | 0,31  |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | -0,07 |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | 1,01  |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | 0,30  |    |    |   |    |    |
| Udder Depth           | 0,49  |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | 1,05  |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,47  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,2 | <b>Frame</b> | <b>-0,07</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,4 | <b>Dairy Strength</b> | <b>0,84</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,54</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,0 | <b>Udder</b> | <b>1,51</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>81,8</b> |
|--|------------|-------------|

rank 123.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOLTCEL</b>    | <b>CZ000103576588</b>      | <b>26.12.1997</b> | <b>CES-001</b>        |
| Country of origin | CZ                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 22.06.1998            |
|                   |                            | CSK               | 4651/25               |

### Pedigree

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| ETAZON CELSIUS-ET           |            | US000001874634               |
| NL000460508522              | <b>PGD</b> | WEA-LAND BELL ELLA           |
|                             |            | US000012105357               |
| <b>Dam</b>                  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN   |
| CALBRETT LEADMAN FANFARE-ET |            | US000001983348               |
| CA000005403738              | <b>MGD</b> | QUIETCOVE BELL FROST         |
|                             |            | CA000004558729               |
|                             |            | TDN-004                      |

|                             |            |           |    |            |    |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.      | 66 | Rel.      | 89 %         | <b>SPI</b> | 1327         |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %            | Prot.      | %            |
| <b>1153</b>                 |            |           |    | <b>390</b> |    | <b>11</b> | <b>-0,08</b> | <b>8</b>   | <b>-0,10</b> |
|                             |            |           |    |            |    |           |              | <b>SCS</b> | <b>3,81</b>  |
|                             |            |           |    |            |    |           |              | rank       | 182.         |
|                             |            |           |    |            |    |           |              | rank       | 1221.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 5 | Daug. | 10 | 78,5 | Rel. | 52 % | <b>TYPE</b> | 0,99 |
|                  |             |       |       |       |    |      |      |      | rank        | 161. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,47 |    |    |   |    |    |
| Angularity            | 0,69  |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,01 |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | 0,31  |    |    |   |    |    |
| Front Teat Placement  | 1,56  |    |    |   |    |    |
| Teat Length           | 0,64  |    |    |   |    |    |
| Rear Udder Height     | 0,68  |    |    |   |    |    |
| Rear Udder Width      | 0,46  |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,38 |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,8 | <b>Frame</b>           | <b>-0,53</b> |
| 78,5 | <b>Dairy Strength</b>  | <b>1,30</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>0,01</b>  |
| 78,1 | <b>Udder</b>           | <b>1,54</b>  |
|      | <b>SHI</b>             | <b>79,6</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                      |                   |                |
|---------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number  | Birth date        | State Register |
| <b>ROCKYMOUNTAIN MCLEOD RED</b> | <b>CA00009902120</b> | <b>30.10.2008</b> | <b>BS-052</b>  |
| Country of origin               | CA                   | <b>Breed</b>      | R100           |
| Distributor                     | INSEMAS s.r.o.       | Herdbook          | HA             |
|                                 |                      | Paternity         | 27.03.2009     |
|                                 |                      | CA                | DC228464       |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | MARKIM THUNDER               |
| DUDOC MR BURNS-ET          |            | US000017144785               |
| CA000100745543             | <b>PGD</b> | GRANDUC MAGGIE STORM-ET      |
| BS-047                     |            | CA000006873895               |
| <b>Dam</b>                 | <b>MGS</b> | GLEN DRUMMOND INTENSIFIER-ET |
| NORTHERN-GLO MACINTOSH-RED |            | CA000006505247               |
| US000060661280             | <b>MGD</b> | NORTHERN-GLO RUBEN MACAROON  |
|                            |            | US000126021619               |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>695</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>1859</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 117.        |
| <b>11759</b>                |            |           |           | <b>203</b> |            | <b>20</b> | <b>0,21</b> | <b>SCS</b> | <b>3,07</b> |
|                             |            |           |           |            |            |           |             | rank       | 618.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 3</b> | Daug. | <b>43</b> | 81,7 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,99</b> |
|                  |             |       |              |       |           |      |      | rank        | 162.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,69  |    |    |   |    |    |
| Angularity            | 0,34  |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,62 |    |    |   |    |    |
| Rump Angle            | -0,45 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | 0,64  |    |    |   |    |    |
| Fore Udder Attachment | 0,19  |    |    |   |    |    |
| Front Teat Placement  | -0,30 |    |    |   |    |    |
| Teat Length           | -0,27 |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 1,28  |    |    |   |    |    |
| Rump Width            | 0,27  |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | 0,04  |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | -0,76 |    |    |   |    |    |

daught. average

87,2 **Frame** **1,83**

81,9 **Dairy Strength** **-0,14**

83,6 **Feet & Legs** **0,40**

77,8 **Udder** **0,31**

**SHI** **95,6**

rank 94.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                            |                   |                       |
|--------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>               | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BEAUCOISE BLACK KING,ET</b> | <b>US000005364343</b>      | <b>28.01.1991</b> | <b>BS-031</b>         |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.07.1991 |
|                   |                | CAN          | 250959     |

### Pedigree

|                        |                |                          |
|------------------------|----------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET    | US000001723741 | ADM-008                  |
| US000001929410         | <b>PGD</b>     | TO-MAR WAYNE HAY         |
| CHR-002                | US000009804790 |                          |
| <b>Dam</b>             | <b>MGS</b>     | WALKWAY CHIEF MARK       |
| BEAUCOISE MARK KIWI-ET | US000001773417 |                          |
| CA000004466987         | <b>MGD</b>     | CHACOOK ELEVATION KIM    |
|                        | CA000003185989 |                          |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 165 | Rel. | 96 % | <b>SPI</b> | -774  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>3170</b>                 |            |           |    | -126  |     | 1    | 0,11 | -1         | -0,14 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,88  |
|                             |            |           |    |       |     |      |      | rank       | 374.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 52 | 77,9 | Rel. | 81 % | <b>TYPE</b> | 0,98 |
|                  |             |       |       |       |    |      |      |      | rank        | 163. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | 0,61  |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | 0,07  |    |    |   |    |    |
| Teat Length           | -0,61 |    |    |   |    |    |
| Rear Udder Height     | 0,73  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 0,40  |    |    |   |    |    |
| Udder Depth           | 0,59  |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    |   |    |    |
| Rear Teat Placement   | 0,95  |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,32 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,8 | <b>Frame</b> | <b>0,04</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,4 | <b>Dairy Strength</b> | <b>0,70</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,43</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,4 | <b>Udder</b> | <b>1,37</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>15,7</b> |
|--|------------|-------------|

rank 308.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CHAMBORD</b>   | <b>FR002258172151</b>             | <b>19.03.2007</b> | <b>BES-016</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 26.10.2007     |
|                   |                                   | FR                | F/S 413058     |

### Pedigree

|                |            |                         |        |
|----------------|------------|-------------------------|--------|
| <b>Sire</b>    | <b>PGS</b> | JOCKO BESN              |        |
| ROTHENEUF      |            | FR005694028588          |        |
| FR005360661767 | <b>PGD</b> | MILENE                  |        |
|                |            | FR005112757687          |        |
| <b>Dam</b>     | <b>MGS</b> | LEXVOLD LUKE HERSHEL-ET | LU-013 |
| TAMARA 1655    |            | US000002294436          |        |
| FR002258171655 | <b>MGD</b> | NAURINE                 |        |
|                |            | FR002297039989          |        |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.      | <b>198</b> | Rel.      | <b>96 %</b>  | <b>SPI</b> | <b>2465</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 64.         |
| <b>3484</b>                 |            |           |           | <b>685</b> |            | <b>15</b> | <b>-0,20</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |            |            | <b>17</b> | <b>-0,08</b> | rank       | 651.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>37 / 16</b> | Daug. | <b>60</b> | 80,6 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,97</b> |
|                  |             |       |                |       |           |      |      | rank        | 164.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,77  |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,36 |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | 0,54  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | 0,30  |    |    |   |    |    |
| Teat Length           | 0,54  |    |    |   |    |    |
| Rear Udder Height     | 0,61  |    |    |   |    |    |
| Rear Udder Width      | 0,57  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 0,75  |    |    |   |    |    |
| Rump Width            | -0,77 |    |    |   |    |    |
| Rear Legs Rear View   | -0,23 |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | 0,34  |    |    |   |    |    |
| Body Condition        | -0,59 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,0 | <b>Frame</b>           | <b>0,62</b>  |
| 80,8 | <b>Dairy Strength</b>  | <b>0,15</b>  |
| 81,1 | <b>Feet &amp; Legs</b> | <b>-0,38</b> |
| 78,6 | <b>Udder</b>           | <b>1,48</b>  |
|      | <b>SHI</b>             | <b>113,3</b> |
|      | rank                   | 66.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>PLUSHANSKI FARADAY-ET</b> | <b>US000128043787</b>             | <b>25.02.1999</b> | <b>DED-004</b> |
| Country of origin            | US                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 17.06.2004     |
|                              |                                   | USA               | 19512A         |

### Pedigree

|                             |                |                                |
|-----------------------------|----------------|--------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN     |
| PAULO-BRO RTL DEMAND TCG-ET | US000001983348 | TDN-004                        |
| US000002193272              | <b>PGD</b>     | PAULO-BRO MARK DELIGHT 3206-ET |
|                             | US000012798676 |                                |
| <b>Dam</b>                  | <b>MGS</b>     | PLUSHANSKI BELGIUM-ET          |
| PLUSHANSKI BELGIUM FARMA    | US000002097786 |                                |
| US000014358975              | <b>MGD</b>     | PLUSHANSKI CLEITUS FARCI       |
|                             | US000013767935 |                                |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.      | <b>324</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>837</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 273.        |
| <b>6925</b>                 |            |           |           | <b>116</b> |            | <b>-1</b> | <b>-0,11</b> | <b>11</b>  | <b>0,15</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>2,76</b> |
|                             |            |           |           |            |            |           |              | rank       | 248.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>36 / 17</b> | Daug. | <b>154</b> | 79,2 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,97</b> |
|                  |             |       |                |       |            |      |      | rank        | 165.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,28  |    |    |   |    |    |
| Angularity            | -0,12 |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,82 |    |    |   |    |    |
| Foot Angle            | 0,43  |    |    |   |    |    |
| Fore Udder Attachment | -0,15 |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,91  |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | 0,54  |    |    |   |    |    |
| Rear Legs Rear View   | 1,06  |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | 0,19  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 82,7 | <b>Frame</b>           | <b>0,72</b> |
| 79,1 | <b>Dairy Strength</b>  | <b>0,11</b> |
| 79,4 | <b>Feet &amp; Legs</b> | <b>1,80</b> |
| 77,5 | <b>Udder</b>           | <b>0,57</b> |
|      | <b>SHI</b>             | <b>64,1</b> |
|      | rank                   | 163.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>B-Y-U MANASSA-ET</b> | <b>US000060064569</b> | <b>18.06.2001</b> | <b>BW-027</b>  |
| Country of origin       | US                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 26.07.2002     |
|                         |                       | CA                | BT462511       |

### Pedigree

|                             |                |                             |
|-----------------------------|----------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET      |
| MARA-THON BW MARSHALL-ET TV | US000002103297 | MEW-004                     |
| US000002290977              | <b>PGD</b>     | MORGAN VALLEY ELTON MARA    |
|                             | US000014840387 |                             |
| <b>Dam</b>                  | <b>MGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| NEYER FORMATION 1082-ET     | US000002163822 | LAD-009                     |
| US000017369255              | <b>MGD</b>     | NEYER CUBBY MIRA-ET         |
|                             | US000014612103 |                             |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>384</b> | Rel.     | <b>98 %</b>  | <b>SPI</b> | <b>611</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 315.         |
| <b>6332</b>                 |            |           |           | <b>209</b> |            | <b>1</b> | <b>-0,15</b> | <b>5</b>   | <b>-0,04</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,35</b>  |
|                             |            |           |           |            |            |          |              | rank       | 983.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>39 / 11</b> | Daug. | <b>191</b> | 79,8 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,97</b> |
|                  |             |       |                |       |            |      |      | rank        | 166.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,35  |    |    |   |    |    |
| Angularity            | 0,34  |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | -0,00 |    |    |   |    |    |
| Front Teat Placement  | -0,33 |    |    |   |    |    |
| Teat Length           | 0,33  |    |    |   |    |    |
| Rear Udder Height     | 0,76  |    |    |   |    |    |
| Rear Udder Width      | 0,52  |    |    |   |    |    |
| Central Ligament      | -0,45 |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | -0,37 |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,66 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,3 | <b>Frame</b>           | <b>1,38</b> |
| 80,2 | <b>Dairy Strength</b>  | <b>0,50</b> |
| 79,9 | <b>Feet &amp; Legs</b> | <b>0,23</b> |
| 77,3 | <b>Udder</b>           | <b>0,30</b> |
|      | <b>SHI</b>             | <b>57,1</b> |
|      | rank                   | 188.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>MEDZICILIZIE JAGUAR EMILO</b> | <b>SK000029421853</b> | <b>04.12.1995</b> | <b>JAG-001</b> |
| Country of origin <b>SK</b>      |                       | <b>Breed</b>      | H100           |
| Distributor                      |                       | Herdbook          | HA             |
|                                  |                       | Paternity         | ...            |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | BIS-MAY TRADITION CLEITUS |
| DELTA JAGUAR   |            | US000001879085            |
| NL000316420499 |            | CLE-003                   |
|                | <b>PGD</b> | DARLING-FARM BELL GINNY   |
|                |            | US000011682780            |
| <b>Dam</b>     | <b>MGS</b> | ETAZON MANFRED            |
| VONDA 92       |            | NL000780798830            |
| SK000025271813 |            |                           |
|                | <b>MGD</b> | VONDA 90                  |
|                |            | NL000604352909            |

|                             |            |           |   |            |    |           |             |            |              |
|-----------------------------|------------|-----------|---|------------|----|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 2 | Daug.      | 28 | Rel.      | 82 %        | <b>SPI</b> | 2008         |
| Number controls             |            | <b>BV</b> |   | Milk       |    | Fat       | %           | Prot.      | %            |
| <b>695</b>                  |            |           |   | <b>358</b> |    | <b>37</b> | <b>0,41</b> | <b>8</b>   | <b>-0,07</b> |
|                             |            |           |   |            |    |           |             | <b>SCS</b> | 2,79         |
|                             |            |           |   |            |    |           |             | rank       | ...          |
|                             |            |           |   |            |    |           |             | rank       | ...          |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 17 | 78,4 | Rel. | 58 % | <b>TYPE</b> | 0,96 |
|                  |             |       |       |       |    |      |      |      | rank        | 167. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,15 |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | 0,46  |    |    |   |    |    |
| Rump Angle            | 0,46  |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | 2,32  |    |    |   |    |    |
| Udder Depth           | 0,51  |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | 0,04  |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,9 | <b>Frame</b>           | <b>-0,22</b> |
| 76,4 | <b>Dairy Streight</b>  | <b>1,02</b>  |
| 78,6 | <b>Feet &amp; Legs</b> | <b>0,06</b>  |
| 78,1 | <b>Udder</b>           | <b>1,40</b>  |
|      | <b>SHI</b>             | <b>99,1</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>DE RITH JUPITER</b> | <b>NL000424322878</b>             | <b>08.12.2005</b> | <b>SNR-004</b> |
| Country of origin      | NL                                | <b>Breed</b>      | H100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 20.06.2006     |
|                        |                                   | NL                | 143994         |

### Pedigree

|                   |            |                 |
|-------------------|------------|-----------------|
| <b>Sire</b>       | <b>PGS</b> | DELTA SPARTA    |
| DELTA CANVAS      |            | NL000137409985  |
| NL000288458773    | <b>PGD</b> | DELTA CANBERRA  |
|                   |            | NL000141317243  |
| <b>Dam</b>        | <b>MGS</b> | CAROUSEL SIERRA |
| DE RITH TETJE 119 |            | NL000112538714  |
| NL000288416416    | <b>MGD</b> | TETJE 47        |
|                   |            | NL000784385124  |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>185</b> | Rel.     | <b>96 %</b>  | <b>SPI</b> | <b>1210</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 206.        |
| <b>4420</b>                 |            |           |           | <b>422</b> |            | <b>7</b> | <b>-0,16</b> | <b>SCS</b> | <b>3,58</b> |
|                             |            |           |           |            |            | <b>7</b> | <b>-0,14</b> | rank       | 1151.       |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 12</b> | Daug. | <b>62</b> | 79,3 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,96</b> |
|                  |             |       |                |       |           |      |      | rank        | 168.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,55  |    |    |   |    |    |
| Angularity            | 0,35  |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | -0,68 |    |    |   |    |    |
| Rump Angle            | 0,86  |    |    |   |    |    |
| Rear Legs Side View   | -0,46 |    |    |   |    |    |
| Foot Angle            | 0,70  |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | -0,38 |    |    |   |    |    |
| Teat Length           | -0,13 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 0,00  |    |    |   |    |    |
| Rump Width            | -0,58 |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | -0,67 |    |    |   |    |    |
| Locomotion            | 0,43  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,9 | <b>Frame</b>           | <b>0,64</b> |
| 79,7 | <b>Dairy Strength</b>  | <b>0,08</b> |
| 80,9 | <b>Feet &amp; Legs</b> | <b>2,34</b> |
| 77,3 | <b>Udder</b>           | <b>0,31</b> |
|      | <b>SHI</b>             | <b>74,9</b> |
|      | rank                   | 138.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>EMPATHY</b>    | <b>DE000579516273</b>             | <b>17.02.2002</b> | <b>ESK-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 11.03.2002     |
|                   |                                   | DEU               | 02/3610        |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | ESQUIMAU       |
| EMINENZ-ET     |            | FR002989026154 |
| DE000340055654 | <b>PGD</b> | SILLA          |
|                |            | DE001020470682 |
| <b>Dam</b>     | <b>MGS</b> | LUKAS          |
| ANNALENA       |            | DE001012104370 |
| DE000578137297 | <b>MGD</b> | ASIA           |
|                |            | DE000576212529 |

|                             |            |           |           |             |            |             |             |             |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>45</b> | Daug.       | <b>127</b> | Rel.        | <b>94 %</b> | <b>SPI</b>  | <b>-487</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank        | 529.        |
| <b>2722</b>                 |            |           |           | <b>-331</b> | <b>4</b>   | <b>0,33</b> | <b>-2</b>   | <b>0,18</b> | <b>SCS</b>  |
|                             |            |           |           |             |            |             |             | rank        | 382.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 10</b> | Daug. | <b>26</b> | 79,9 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>0,96</b> |
|                  |             |       |                |       |           |      |      | rank        | 169.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,73  |    |    |   |    |    |
| Angularity            | 0,07  |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | -0,01 |    |    |   |    |    |
| Rear Legs Side View   | -0,23 |    |    |   |    |    |
| Foot Angle            | 0,35  |    |    |   |    |    |
| Fore Udder Attachment | 0,61  |    |    |   |    |    |
| Front Teat Placement  | 0,51  |    |    |   |    |    |
| Teat Length           | 0,58  |    |    |   |    |    |
| Rear Udder Height     | 1,08  |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | 0,22  |    |    |   |    |    |
| Udder Depth           | 1,51  |    |    |   |    |    |
| Rump Width            | -0,40 |    |    |   |    |    |
| Rear Legs Rear View   | 0,93  |    |    |   |    |    |
| Rear Teat Placement   | -0,00 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,8 | <b>Frame</b> | <b>0,79</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,7 | <b>Dairy Strength</b> | <b>0,13</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,43</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,2 | <b>Udder</b> | <b>0,97</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>23,6</b> |
|--|------------|-------------|

rank 279.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>SHEN-VAL NV LM FORMATION-ET</b> | <b>US000002163822</b>             | <b>16.01.1991</b> | <b>LAD-009</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 09.07.1991     |
|                                    |                                   | USA               | IG157491B      |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | WALKWAY CHIEF MARK      |
| SHEN-VAL MARK FAY          |            | US000001773417          |
| US000013008118             | <b>MGD</b> | SHEN-VAL PETE FAY       |
|                            |            | US000012158466          |

|                             |            |           |            |            |            |          |              |            |             |
|-----------------------------|------------|-----------|------------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>103</b> | Daug.      | <b>954</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1153</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |            | Fat      | %            | rank       | 216.        |
| <b>19793</b>                |            |           |            | <b>586</b> |            | <b>2</b> | <b>-0,36</b> | <b>SCS</b> | <b>2,93</b> |
|                             |            |           |            |            |            | <b>5</b> | <b>-0,28</b> | rank       | 443.        |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>140 / 42</b> | Daug. | <b>476</b> | 77,9 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,96</b> |
|                  |             |       |                 |       |            |      |      | rank        | 170.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,33  |    |    |   |    |    |
| Angularity            | 0,04  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | -0,07 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,74  |    |    |   |    |    |
| Front Teat Placement  | 1,32  |    |    |   |    |    |
| Teat Length           | 0,39  |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | -0,25 |    |    |   |    |    |
| Udder Depth           | 1,00  |    |    |   |    |    |
| Rump Width            | 0,65  |    |    |   |    |    |
| Rear Legs Rear View   | -0,19 |    |    |   |    |    |
| Rear Teat Placement   | 0,66  |    |    |   |    |    |
| Locomotion            | -0,41 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

80,4 **Frame** **0,81**

76,8 **Dairy Strength** **0,66**

77,5 **Feet & Legs** **-0,36**

77,4 **Udder** **1,10**

**SHI** **73,0**

rank 142.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DIAMOND-OAK FROSTY-ET</b> | <b>US000131520543</b>      | <b>02.03.2001</b> | <b>BW-023</b>         |
| Country of origin            | US                         | <b>Breed</b>      | H100                  |
| Distributor                  | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                              |                            | Paternity         | 01.03.2002            |
|                              |                            | CA                | BT800347              |

### Pedigree

|                             |                |                           |
|-----------------------------|----------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET    |
| MARA-THON BW MARSHALL-ET TV |                | US000002103297            |
| US000002290977              | <b>MEW-004</b> |                           |
|                             | <b>PGD</b>     | MORGAN VALLEY ELTON MARA  |
|                             |                | US000014840387            |
| <b>Dam</b>                  | <b>MGS</b>     | MEL-HAM DIXIE-LEE SAND-ET |
| MOHRFIELD SAND MOLLIE-ET    |                | US000002154310            |
| US000017215771              | <b>MGD</b>     | SINGBROOK AERO M MOLLY-ET |
|                             |                | US000014968707            |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.      | <b>1013</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2840</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 45.         |
| <b>15063</b>                |            |           |           | <b>671</b> |             | <b>25</b> | <b>-0,01</b> | <b>SCS</b> | <b>2,56</b> |
|                             |            |           |           |            |             | <b>19</b> | <b>-0,04</b> | rank       | 102.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>50 / 14</b> | Daug. | <b>200</b> | 79,6 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,95</b> |
|                  |             |       |                |       |            |      |      | rank        | 171.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,99  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | -0,18 |    |    |   |    |    |
| Rump Angle            | 0,03  |    |    |   |    |    |
| Rear Legs Side View   | -0,07 |    |    |   |    |    |
| Foot Angle            | 0,31  |    |    |   |    |    |
| Fore Udder Attachment | 0,43  |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | 0,08  |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 0,50  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 1,02  |    |    |   |    |    |
| Rear Teat Placement   | 0,50  |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

83,5 **Frame** **1,11**

80,1 **Dairy Strength** **0,10**

79,9 **Feet & Legs** **0,53**

77,2 **Udder** **0,56**

**SHI** **123,7**

rank 51.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>DG MYRACHIP-ET</b> | <b>NL000874602904</b> | <b>28.10.2012</b> | <b>GAD-020</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.11.2012 |
|                   |                                   | DE           | 12/15046   |

### Pedigree

|                              |            |                            |
|------------------------------|------------|----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BRAEDALE GOLDWYN-ET        |
| MR CHASSITY GOLD CHIP-ET     |            | CA000010705608             |
| US000140145553               | <b>PGD</b> | REGANCREST S CHASSITY-ET   |
|                              |            | US000062496899             |
| <b>Dam</b>                   | <b>MGS</b> | APLOUIS JET STREAM-ET      |
| FOX BERRY STREAM MYRA 619-ET |            | US000130558361             |
| US000063203661               | <b>MGD</b> | MS HEARTBEAT JM MAGGIE MAE |
|                              |            | US000133912027             |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.      | 160 | Rel.      | 90 %         | <b>SPI</b> | 2289         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>638</b>                  |            |           |    | <b>720</b> |     | <b>20</b> | <b>-0,14</b> | <b>12</b>  | <b>-0,22</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 1,94         |
|                             |            |           |    |            |     |           |              | rank       | 73.          |
|                             |            |           |    |            |     |           |              | rank       | 3.           |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 19 / 7 | Daug. | 36 | 82,1 | Rel. | 69 % | <b>TYPE</b> | 0,95 |
|                  |             |       |        |       |    |      |      |      | rank        | 172. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,34  |    |    |   |    |    |
| Angularity            | 0,39  |    |    |   |    |    |
| Chest Width           | 0,03  |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | -0,94 |    |    |   |    |    |
| Rear Legs Side View   | 0,16  |    |    |   |    |    |
| Foot Angle            | 0,22  |    |    |   |    |    |
| Fore Udder Attachment | 0,64  |    |    |   |    |    |
| Front Teat Placement  | 0,99  |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,35  |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | 1,13  |    |    |   |    |    |
| Udder Depth           | 1,64  |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,76  |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,35 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 85,5 | <b>Frame</b> | 1,18 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,5 | <b>Dairy Strength</b> | 0,22 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 83,4 | <b>Feet &amp; Legs</b> | 0,12 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 80,2 | <b>Udder</b> | 0,70 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 107,0 |
|--|------------|-------|

rank 75.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                          |                            |                |                   |            |                       |         |
|--------------------------|--------------------------|----------------------------|----------------|-------------------|------------|-----------------------|---------|
| <b>Bull name</b>         | REGANCREST-MR SAMUELO-ET | <b>Registration number</b> | US000207184648 | <b>Birth date</b> | 09.12.1999 | <b>State Register</b> | ELN-014 |
| <b>Country of origin</b> | US                       | <b>Breed</b>               | H100           |                   |            |                       |         |
| <b>Distributor</b>       | INSEMAS s.r.o.           | <b>Herdbook</b>            | HA             |                   |            |                       |         |
|                          |                          | <b>Paternity</b>           | 19.07.2002     |                   |            |                       |         |
|                          |                          | <b>CA</b>                  | DC75034        |                   |            |                       |         |

### Pedigree

|             |  |            |  |
|-------------|--|------------|--|
| <b>Sire</b> | REGANCREST ELTON DURHAM-ET<br>US000002250783 | <b>PGS</b> | EMPRISE BELL ELTON<br>US000001912270       |
|             |  | <b>PGD</b> | SNOW-N DENISES DELLIA<br>US000012895802    |
| <b>Dam</b>  | SHER-EST EMORY SWANNY<br>US000017037800      | <b>MGS</b> | MJR BLACKSTAR EMORY-ET<br>US000002114601   |
|             |  | <b>MGD</b> | SHER-EST PRELUDE SWAN-ET<br>US000015421153 |

|                             |            |              |    |              |      |             |             |            |      |
|-----------------------------|------------|--------------|----|--------------|------|-------------|-------------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 54 | <b>Daug.</b> | 934  | <b>Rel.</b> | 99 %        | <b>SPI</b> | -528 |
| <b>Number controls</b>      | 17833      | <b>BV</b>    |    | <b>Milk</b>  | -296 | <b>Fat</b>  | 3           | <b>%</b>   | 0,27 |
|                             |            | <b>Prot.</b> |    | <b>%</b>     | -3   | <b>0,14</b> | <b>rank</b> | 537.       |      |
|                             |            | <b>SCS</b>   |    |              |      |             | <b>rank</b> | 391.       |      |

|                  |             |              |         |              |     |      |             |      |             |      |
|------------------|-------------|--------------|---------|--------------|-----|------|-------------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 30 / 14 | <b>Daug.</b> | 124 | 79,4 | <b>Rel.</b> | 89 % | <b>TYPE</b> | 0,94 |
|                  |             | <b>rank</b>  | 173.    |              |     |      |             |      |             |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,73  |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | 0,73  |    |    |   |    |    |
| Rear Legs Side View   | -0,60 |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | -0,60 |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | -0,06 |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | 0,23  |    |    |   |    |    |
| Rear Teat Placement   | -0,08 |    |    |   |    |    |
| Locomotion            | 0,50  |    |    |   |    |    |
| Body Condition        | 0,02  |    |    |   |    |    |

daught. average

83,9 **Frame** 1,30

79,7 **Dairy Strength** -0,22

80,2 **Feet & Legs** 1,71

76,6 **Udder** 0,09

**SHI** 21,7

rank 286.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>MONGO-ET</b>   | <b>DE000345515613</b> | <b>10.02.2000</b> | <b>PEL-025</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 26.04.2000     |
|                   |                       | DEU               | 00/6091        |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | RONNYBROOK PRELUDE-ET     |
| CAROL PRELUDE MTOTO-ET |            | CA000000392457            |
| IT006001001962         | <b>PGD</b> | BLACKSTAR BETSY-ET        |
|                        |            | US000014459466            |
| <b>Dam</b>             | <b>MGS</b> | LUTZ-MEADOWS E MANDEL-ET  |
| WINDSOR 27             |            | US000002119526            |
| DE000111091712         | <b>MGD</b> | MISS MEL-HAM LDM GENIE-ET |
|                        |            | US000014572527            |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>80</b> | Daug.      | <b>860</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-445</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 521.        |
| <b>16524</b>                |            |           |           | <b>-95</b> |            | <b>-2</b> | <b>0,02</b>  | <b>SCS</b> | <b>2,58</b> |
|                             |            |           |           |            |            | <b>-4</b> | <b>-0,03</b> | rank       | 106.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 7</b> | Daug. | <b>69</b> | 77,7 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>0,94</b> |
|                  |             |       |               |       |           |      |      | rank        | 174.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,12 |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | 0,43  |    |    |   |    |    |
| Body Depth            | 0,86  |    |    |   |    |    |
| Rump Angle            | -1,98 |    |    |   |    |    |
| Rear Legs Side View   | -1,06 |    |    |   |    |    |
| Foot Angle            | 0,80  |    |    |   |    |    |
| Fore Udder Attachment | 0,08  |    |    |   |    |    |
| Front Teat Placement  | 0,09  |    |    |   |    |    |
| Teat Length           | 0,22  |    |    |   |    |    |
| Rear Udder Height     | -0,45 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | -0,14 |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,64  |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,5 | <b>Frame</b> | <b>-0,04</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,2 | <b>Dairy Strength</b> | <b>0,79</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,3 | <b>Feet &amp; Legs</b> | <b>2,46</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 75,6 | <b>Udder</b> | <b>0,37</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>24,0</b> |
|--|------------|-------------|

rank 276.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>TER LEEUWE ALPE D HUEZ-ET</b> | <b>NL000965860174</b>             | <b>25.10.2012</b> | <b>MED-039</b> |
| Country of origin                | NL                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 09.08.2013     |
|                                  |                                   | DE                | 13/10981       |

### Pedigree

**Sire** \_\_\_\_\_ **PGS** O-BEE MANFRED JUSTICE-ET  
FLEVO GENETICS SNOWMAN-ET  
NL000388965513  
US000122358313 **MED-012**

**PGD** BROEKS MBM ELSA-ET  
CZ000007434921

**Dam** \_\_\_\_\_ **MGS** MAPLE-DOWNS-I G W ATWOOD-ET  
CHARTROISE ATWOOD POLLY-ET  
US000066050579  
CA000008956379 **GAD-023**

**MGD** WINDY-KNOLL-VIEW PASSAGE-ET  
US000065480452

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.      | <b>239</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>1571</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 146.        |
| <b>984</b>                  |            |           |           | <b>371</b> |            | <b>12</b> | <b>-0,05</b> | <b>SCS</b> | <b>2,04</b> |
|                             |            |           |           |            |            | <b>11</b> | <b>-0,01</b> | rank       | 7.          |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 6</b> | Daug. | <b>33</b> | 82,5 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>0,93</b> |
|                  |             |       |               |       |           |      |      | rank        | 175.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,66  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | 0,22  |    |    |   |    |    |
| Fore Udder Attachment | 0,31  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   |    |    |
| Teat Length           | 0,16  |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | 0,87  |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

85,5 **Frame** **0,85**

81,6 **Dairy Strength** **0,14**

84,1 **Feet & Legs** **0,84**

80,9 **Udder** **0,87**

**SHI** **84,7**

rank 117.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>COYNE-FARMS JETSET-ET</b> | <b>US000070801849</b> | <b>19.01.2012</b> | <b>MED-046</b> |
| Country of origin            | US                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 22.11.2012     |
|                              |                       | CA                | DC315425       |

### Pedigree

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | LONG-LANGS OMAN OMAN-ET      |
| MARBRI FACEBOOK-ET          |            | US000135746776               |
| CA000010847042              | <b>PGD</b> | SERENITYHILL AIRRAID FAWN-ET |
| MED-058                     |            | CA000009795505               |
| <b>Dam</b>                  | <b>MGS</b> | BADGER-BLUFF FANNY FREDDIE   |
| COYNE-FARMS FREDDIE JILL-ET |            | US000060996956               |
| US000068677598              | <b>MGD</b> | COYNE-FARMS RAMOS JELLY      |
|                             |            | US000063855188               |

|                             |            |           |   |            |          |              |          |              |             |
|-----------------------------|------------|-----------|---|------------|----------|--------------|----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 5 | Daug.      | 45       | Rel.         | 76 %     | <b>SPI</b>   | 679         |
| Number controls             |            | <b>BV</b> |   | Milk       |          | Fat          | %        | Prot.        | %           |
| <b>221</b>                  |            |           |   | <b>211</b> | <b>2</b> | <b>-0,11</b> | <b>5</b> | <b>-0,04</b> | <b>SCS</b>  |
|                             |            |           |   |            |          |              |          |              | <b>3,08</b> |
|                             |            |           |   |            |          |              |          |              | rank        |
|                             |            |           |   |            |          |              |          |              | ...         |
|                             |            |           |   |            |          |              |          |              | rank        |
|                             |            |           |   |            |          |              |          |              | ...         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 18 | 83,4 | Rel. | 53 % | <b>TYPE</b> | 0,93 |
|                  |             |       |       |       |    |      |      |      | rank        | 176. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,70  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | 0,31  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | 0,72  |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | 0,20  |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | 0,72  |    |    |   |    |    |
| Udder Depth           | 0,95  |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | 0,20  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,13  |    |    |   |    |    |

daught. average

86,3 **Frame** 1,07

83,1 **Dairy Strength** 0,34

84,7 **Feet & Legs** 0,43

81,4 **Udder** 0,43

**SHI** 57,7

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BENNER JERRY-ET</b> | <b>CA000009043859</b>      | <b>11.03.1998</b> | <b>MEG-007</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.09.2000 |
|                   |                | CA           | DC33358    |

### Pedigree

|                        |            |                              |         |
|------------------------|------------|------------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | MADAWASKA AEROSTAR           |         |
| MEADOW BRIDGE MEGABUCK |            | CA000000383622               | STB-011 |
| CA000005425054         | <b>PGD</b> | MEADOW BRIDGE MISCHIEF-ET    |         |
|                        |            | CA000004466380               |         |
| <b>Dam</b>             | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |         |
| BENNER LUKE JEAN-ET    |            | US000002071864               | CLE-005 |
| CA000006440060         | <b>MGD</b> | BENNER GRAND JULIA           |         |
|                        |            | CA000005943481               |         |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 191 | Rel.  | 96 % | <b>SPI</b> | 478        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| <b>3470</b>                 |            |           |    | 135   | 3   | -0,05 | 3    | -0,02      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 331.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 1213.      |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 37 | 79,0 | Rel. | 74 % | <b>TYPE</b> | 0,93 |
|                  |             |       |       |       |    |      |      |      | rank        | 177. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | -0,39 |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | 0,64  |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | 1,07  |    |    |   |    |    |
| Central Ligament      | -0,44 |    |    |   |    |    |
| Udder Depth           | -0,38 |    |    |   |    |    |
| Rump Width            | 0,31  |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | -0,59 |    |    |   |    |    |
| Locomotion            | 0,43  |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

|                 |      |                        |      |
|-----------------|------|------------------------|------|
| daught. average | 83,1 | <b>Frame</b>           | 0,35 |
|                 | 79,0 | <b>Dairy Strength</b>  | 0,89 |
|                 | 79,2 | <b>Feet &amp; Legs</b> | 1,02 |
|                 | 76,8 | <b>Udder</b>           | 0,53 |
|                 |      | <b>SHI</b>             | 51,6 |
|                 |      | rank                   | 197. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>WELCOME GARTER-ET</b> | <b>US000017131025</b>             | <b>01.07.1996</b> | <b>LAB-002</b>        |
| Country of origin        | US                                | <b>Breed</b>      | H100                  |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | Paternity         | 04.07.2001            |
|                          |                                   | CSK               | 4551                  |

### Pedigree

|                          |            |                           |
|--------------------------|------------|---------------------------|
| <b>Sire</b>              | <b>PGS</b> | CYPRESS-HILL LABAN-ET     |
| RICKLAND LABAN PROJECTOR |            | US000001926224            |
| US000002127399           | <b>PGD</b> | RICKLAND BELL PERFECT     |
|                          |            | US000013028811            |
| <b>Dam</b>               | <b>MGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| WELCOME MOUNTAIN GALE-ET |            | US000002070579            |
| US000015579402           | <b>MGD</b> | HOW-EL ACRES K BELLMAN-ET |
|                          |            | US000014952899            |

|                             |            |           |   |       |     |       |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 5 | Daug. | 74  | Rel.  | 92 %  | <b>SPI</b> | 2853       |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %     | Prot. | %          | rank       |
| 1382                        |            |           |   | 791   | 24  | -0,12 | 17    | -0,15      | <b>SCS</b> |
|                             |            |           |   |       |     |       |       |            | 3,67       |
|                             |            |           |   |       |     |       |       |            | rank       |
|                             |            |           |   |       |     |       |       |            | ...        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 3 | Daug. | 59 | 79,2 | Rel. | 83 % | <b>TYPE</b> | 0,93 |
|                  |             |       |        |       |    |      |      |      | rank        | 178. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,73  |    |    |   |    |    |
| Rump Angle            | 0,17  |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | -0,82 |    |    |   |    |    |
| Rear Udder Height     | 0,70  |    |    |   |    |    |
| Rear Udder Width      | 1,30  |    |    |   |    |    |
| Central Ligament      | 0,23  |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | 0,72  |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,9 | <b>Frame</b>           | 1,06  |
| 79,2 | <b>Dairy Strength</b>  | 0,72  |
| 77,1 | <b>Feet &amp; Legs</b> | -0,68 |
| 78,9 | <b>Udder</b>           | 1,36  |
|      | <b>SHI</b>             | 123,1 |
|      | rank                   | 53.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                      |                   |                |
|-------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number  | Birth date        | State Register |
| <b>ACONIT ET</b>  | <b>DE00000393731</b> | <b>10.08.1991</b> | <b>ARS-021</b> |
| Country of origin | DE                   | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.       | Herdbook          | HA             |
|                   |                      | Paternity         | 12.12.1991     |
|                   |                      | DEU               | 91/15822       |

### Pedigree

|                    |            |                           |
|--------------------|------------|---------------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK      |
| MADAWASKA AEROSTAR |            | CA000000352790            |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY           |
| STB-011            |            | CA0000003511527           |
| <b>Dam</b>         | <b>MGS</b> | SUN-VALLEY SENSATION NEIL |
| EDELPERLE 5        |            | US000001588639            |
| DE001020357622     | <b>MGD</b> | EVA 05                    |
|                    |            | DE001008174212            |

|                             |            |           |           |           |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>98</b> | Daug.     | <b>1455</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>686</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |             | Fat       | %           | rank       | 302.        |
| <b>28715</b>                |            |           |           | <b>13</b> |             | <b>16</b> | <b>0,29</b> | <b>SCS</b> | <b>3,34</b> |
|                             |            |           |           |           |             | <b>3</b>  | <b>0,06</b> | rank       | 963.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 7</b> | Daug. | <b>104</b> | 77,5 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,92</b> |
|                  |             |       |               |       |            |      |      | rank        | 179.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,43  |    |    |   |    |    |
| Angularity            | -0,18 |    |    |   |    |    |
| Chest Width           | 1,31  |    |    |   |    |    |
| Body Depth            | 1,23  |    |    |   |    |    |
| Rump Angle            | -0,34 |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | 0,43  |    |    |   |    |    |
| Fore Udder Attachment | -0,70 |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | 1,60  |    |    |   |    |    |
| Rear Udder Height     | -0,81 |    |    |   |    |    |
| Rear Udder Width      | -0,06 |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | -1,52 |    |    |   |    |    |
| Rump Width            | 0,56  |    |    |   |    |    |
| Rear Legs Rear View   | 1,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | 0,67  |    |    |   |    |    |

daught. average

80,5 **Frame** **1,45**

76,4 **Dairy Strength** **1,65**

79,3 **Feet & Legs** **1,98**

75,6 **Udder** **-1,00**

**SHI** **57,7**

rank 184.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>FARNEAR-TBR ALTAVALON-ET</b> | <b>US000065496393</b> | <b>21.02.2008</b> | <b>BW-057</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 31.10.2008 |
|                   |                | US           | M08045251  |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| REGANCREST-HHF MAC-ET     |            | US000002290977              |
| US000060540164            | <b>PGD</b> | REGANCREST RUDOLPH DENA-ET  |
|                           |            | US000017391080              |
| <b>Dam</b>                | <b>MGS</b> | PICSTON SHOTTLE-ET          |
| MORNINGVIEW SHTL ASSET-ET |            | GB000000598172              |
| US000136933955            | <b>MGD</b> | CANYON-BREEZE FIN AISHA-ET  |
|                           |            | US000061763547              |

|                             |            |           |   |            |          |              |           |              |            |
|-----------------------------|------------|-----------|---|------------|----------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug.      | 412      | Rel.         | 97 %      | <b>SPI</b>   | 1734       |
| Number controls             |            | <b>BV</b> |   | Milk       | Fat      | %            | Prot.     | %            | rank       |
| <b>3333</b>                 |            |           |   | <b>629</b> | <b>1</b> | <b>-0,40</b> | <b>13</b> | <b>-0,14</b> | <b>SCS</b> |
|                             |            |           |   |            |          |              |           |              | rank       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 2 | Daug. | 60 | 82,7 | Rel. | 79 % | <b>TYPE</b> | 0,92 |
|                  |             |       |        |       |    |      |      |      | rank        | 180. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,58  |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | -0,63 |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,58  |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | 0,16  |    |    |   |    |    |
| Rear Udder Height     | 0,42  |    |    |   |    |    |
| Rear Udder Width      | -0,43 |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 1,13  |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | 0,22  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 86,0 | <b>Frame</b>           | 1,63  |
|                 | 82,2 | <b>Dairy Strength</b>  | -0,57 |
|                 | 84,9 | <b>Feet &amp; Legs</b> | 1,17  |
|                 | 80,3 | <b>Udder</b>           | 0,18  |
|                 |      | <b>SHI</b>             | 89,2  |
|                 |      | rank                   | 105.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>CARMANO</b>    | <b>DE000578889436</b>             | <b>16.02.2001</b> | <b>CAL-010</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 11.11.2004            |
|                   |                                   | DE                | 04/43605              |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | STRICKLER ROYALTY CADILLAC-ET |
| AGRIPRIZE CADI MESA-RED-ET |            | US000002046246                |
| US000002252648             | <b>PGD</b> | MERIT MANJUBI RED-ET          |
|                            |            | US000014128659                |
| <b>Dam</b>                 | <b>MGS</b> | LAY-OUT                       |
| LOREEN 56                  |            | NL000825234239                |
| DE000576477026             | <b>MGD</b> | LASPALMAS                     |
|                            |            | DE000505878978                |

|                             |            |           |           |             |             |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>70</b> | Daug.       | <b>1182</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1083</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       |             | rank       | 665.         |
| <b>26514</b>                |            |           |           | <b>-327</b> |             | <b>-7</b> | <b>0,10</b> | <b>SCS</b> | <b>2,66</b>  |
|                             |            |           |           |             |             | <b>-7</b> | <b>0,07</b> | rank       | 154.         |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>32 / 9</b> | Daug. | <b>262</b> | 79,1 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,92</b> |
|                  |             |       |               |       |            |      |      | rank        | 181.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,42  |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,47 |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | -0,82 |    |    |   |    |    |
| Rear Legs Side View   | -0,84 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,88  |    |    |   |    |    |
| Front Teat Placement  | 0,01  |    |    |   |    |    |
| Teat Length           | -0,24 |    |    |   |    |    |
| Rear Udder Height     | 0,38  |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,15  |    |    |   |    |    |
| Udder Depth           | 1,70  |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | 0,81  |    |    |   |    |    |
| Rear Teat Placement   | 0,65  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 83,2 | <b>Frame</b>           | <b>0,25</b> |
| 80,7 | <b>Dairy Strength</b>  | <b>1,11</b> |
| 79,4 | <b>Feet &amp; Legs</b> | <b>0,75</b> |
| 76,1 | <b>Udder</b>           | <b>0,58</b> |
|      | <b>SHI</b>             | <b>4,0</b>  |
|      | rank                   | 353.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>BUSLAK TITANIC EGYED</b> | <b>SK000800121442</b> | <b>21.07.2005</b> | <b>SOM-021</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | SK             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 15.12.2006 |
|                   |                | SK           | 0393/12    |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | MAUGHLIN STORM-ET      |
| HARTLINE TITANIC-ET |            | CA000005457798         |
| US000123066734      | <b>PGD</b> | DOCO LEADMAN TENACIOUS |
| SOM-007             |            | US000014734618         |
| <b>Dam</b>          | <b>MGS</b> | CAERNARVON JAY-ET      |
| SK000082797843      |            | US000002204207         |
|                     | <b>MGD</b> | XX000000000000         |

|                             |            |           |    |            |    |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug.      | 74 | Rel.      | 91 %         | <b>SPI</b> | 1823         |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %            | rank       | 121.         |
| <b>1361</b>                 |            |           |    | <b>652</b> |    | <b>17</b> | <b>-0,15</b> | <b>7</b>   | <b>-0,26</b> |
|                             |            |           |    |            |    |           |              | <b>SCS</b> | <b>3,48</b>  |
|                             |            |           |    |            |    |           |              | rank       | 1097.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 7 | Daug. | 36 | 78,2 | Rel. | 75 % | <b>TYPE</b> | 0,91 |
|                  |             |       |        |       |    |      |      | rank | 182.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,39  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -1,10 |    |    |   |    |    |
| Rear Legs Side View   | -0,54 |    |    |   |    |    |
| Foot Angle            | 0,79  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | -0,64 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,63  |    |    |   |    |    |
| Central Ligament      | 0,13  |    |    |   |    |    |
| Udder Depth           | -0,75 |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | 1,02  |    |    |   |    |    |
| Rear Teat Placement   | 0,19  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,8 | <b>Frame</b> | <b>0,23</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,6 | <b>Dairy Strength</b> | <b>0,16</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,5 | <b>Feet &amp; Legs</b> | <b>1,78</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 75,9 | <b>Udder</b> | <b>0,53</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>91,4</b> |
|--|------------|-------------|

rank 101.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>VOSSIUS</b>    | <b>FR005623276496</b>             | <b>23.12.2004</b> | <b>WIT-007</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.12.2005     |
|                   |                                   | FR                | F/S 314206     |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | LADYS-MANOR WINCHESTER-ET |
| OKENDO         |            | US000002205082            |
| FR002998012650 | <b>PGD</b> | LURONNE                   |
|                |            | FR002995001460            |
| <b>Dam</b>     | <b>MGS</b> | ETAZON ADDISON-ET         |
| SAGA           |            | NL000839380546            |
| FR005623276322 | <b>MGD</b> | MAEVA                     |
|                |            | FR005696032243            |

|                             |            |           |           |             |           |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>84</b> | Rel.     | <b>92 %</b> | <b>SPI</b> | <b>-718</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat      |             | rank       | 580.        |
| <b>1487</b>                 |            |           |           | <b>-169</b> |           | <b>1</b> | <b>0,12</b> | <b>SCS</b> | <b>2,76</b> |
|                             |            |           |           |             |           |          |             | rank       | 242.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 5</b> | Daug. | <b>24</b> | 79,4 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>0,91</b> |
|                  |             |       |               |       |           |      |      | rank        | 183.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,08 |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | 0,53  |    |    |   |    |    |
| Fore Udder Attachment | 0,25  |    |    |   |    |    |
| Front Teat Placement  | 1,21  |    |    |   |    |    |
| Teat Length           | -0,31 |    |    |   |    |    |
| Rear Udder Height     | 0,77  |    |    |   |    |    |
| Rear Udder Width      | 0,75  |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | -0,20 |    |    |   |    |    |
| Rump Width            | -0,43 |    |    |   |    |    |
| Rear Legs Rear View   | -0,70 |    |    |   |    |    |
| Rear Teat Placement   | 0,84  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 81,4 | <b>Frame</b>           | <b>0,11</b> |
| 79,6 | <b>Dairy Strength</b>  | <b>0,37</b> |
| 78,8 | <b>Feet &amp; Legs</b> | <b>0,66</b> |
| 78,4 | <b>Udder</b>           | <b>0,75</b> |
|      | <b>SHI</b>             | <b>14,8</b> |
|      | rank                   | 313.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>CURTISMILL INCREDIBLE-ET</b> | <b>GB000000639110</b>             | <b>14.03.2008</b> | <b>EMY-023</b> |
| Country of origin               | GB                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 27.02.2009     |
|                                 |                                   | NL                | 222987         |

### Pedigree

|                                  |            |                             |
|----------------------------------|------------|-----------------------------|
| <b>Sire</b>                      | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER          |            | US000017013604              |
| US000132973942                   | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                          |            | US000130227821              |
| <b>Dam</b>                       | <b>MGS</b> | BRAEDALE GOLDWYN-ET         |
| CURTISMILL GOLDWYN ODYSSEY PI-ET |            | CA000010705608              |
| GB000011107417                   | <b>MGD</b> | HAYLEYS ODYSSEY 2           |
|                                  |            | GB000009991597              |

|                             |            |           |           |            |            |             |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.      | <b>162</b> | Rel.        | <b>91 %</b> | <b>SPI</b> | <b>1708</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.       |             | rank       | 133.        |
| <b>849</b>                  |            |           |           | <b>251</b> | <b>32</b>  | <b>0,39</b> | <b>8</b>    | <b>SCS</b> | <b>2,77</b> |
|                             |            |           |           |            |            |             |             | rank       | 257.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 10</b> | Daug. | <b>47</b> | 82,0 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,90</b> |
|                  |             |       |                |       |           |      |      | rank        | 184.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,60  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,22  |    |    |   |    |    |
| Body Depth            | 0,55  |    |    |   |    |    |
| Rump Angle            | 0,50  |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | -0,10 |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | -0,48 |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | 0,55  |    |    |   |    |    |
| Central Ligament      | 0,80  |    |    |   |    |    |
| Udder Depth           | -0,93 |    |    |   |    |    |
| Rump Width            | 0,33  |    |    |   |    |    |
| Rear Legs Rear View   | -0,55 |    |    |   |    |    |
| Rear Teat Placement   | 0,42  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | 0,09  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 85,9 | <b>Frame</b>           | <b>1,10</b> |
| 81,8 | <b>Dairy Strength</b>  | <b>0,84</b> |
| 84,0 | <b>Feet &amp; Legs</b> | <b>1,15</b> |
| 79,3 | <b>Udder</b>           | <b>0,12</b> |
|      | <b>SHI</b>             | <b>87,3</b> |
|      | rank                   | 109.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>MICHERET INFRAROUGE-ET</b> | <b>CA000103366695</b> | <b>27.08.2005</b> | <b>ELN-025</b> |
| Country of origin             | CA                    | <b>Breed</b>      | R100           |
| Distributor                   | INSEMAS s.r.o.        | Herdbook          | HA             |
|                               |                       | Paternity         | 07.12.2005     |
|                               |                       | CA                | DC151713       |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | WA-DEL CONVINCER-ET          |
| GEN-I-BEQ SALTO-ET         |            | US000002249055               |
| CA000009243546             | <b>PGD</b> | GLEN DRUMMOND SPLENDOR-ET    |
|                            |            | CA000006847680               |
| <b>Dam</b>                 | <b>MGS</b> | FABER RED-ET                 |
| MICHERET ROSALIND FABER-ET |            | DE000340174036               |
| CA000009425015             | <b>MGD</b> | MICHERET ROSA CLIFFHANGER-ET |
|                            |            | CA000009115978               |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>208</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>-393</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 509.        |
| <b>3784</b>                 |            |           |           | <b>-103</b> |            | <b>-2</b> | <b>0,02</b> | <b>SCS</b> | <b>2,43</b> |
|                             |            |           |           |             |            | <b>-3</b> | <b>0,00</b> | rank       | 53.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>11</b> | 80,8 | Rel. | <b>47 %</b> | <b>TYPE</b> | <b>0,89</b> |
|                  |             |       |              |       |           |      |      | rank        | 185.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,31  |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | 0,36  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | -0,70 |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,62 |    |    |   |    |    |
| Central Ligament      | 0,84  |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

83,4 **Frame** **0,60**

82,1 **Dairy Strength** **0,90**

83,2 **Feet & Legs** **0,40**

77,8 **Udder** **0,54**

**SHI** **23,8**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>VATLAND MAUSER-ET</b> | <b>US000066521489</b>             | <b>24.02.2009</b> | <b>BS-065</b>  |
| Country of origin        | US                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 05.11.2009     |
|                          |                                   | US                | M09058662      |

### Pedigree

|                          |            |                          |
|--------------------------|------------|--------------------------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET       |
| ENSENADA TABOO PLANET-ET |            | US000017121203           |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET |
| BS-050                   |            | US000130161039           |
| <b>Dam</b>               | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET |
| VATLAND O MAN MARY 2007  |            | US000122358313           |
| US000061656440           | <b>MGD</b> | VATLAND MORTY MARIE 1694 |
|                          |            | US000061086905           |
|                          |            | MED-012                  |

|                             |            |           |    |            |           |              |           |              |            |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug.      | 216       | Rel.         | 92 %      | <b>SPI</b>   | 2112       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.     | %            | rank       |
| <b>802</b>                  |            |           |    | <b>580</b> | <b>11</b> | <b>-0,20</b> | <b>16</b> | <b>-0,05</b> | <b>SCS</b> |
|                             |            |           |    |            |           |              |           |              | rank       |
|                             |            |           |    |            |           |              |           |              | 91.        |
|                             |            |           |    |            |           |              |           |              | 723.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 4 | Daug. | 37 | 82,0 | Rel. | 72 % | <b>TYPE</b> | 0,89 |
|                  |             |       |        |       |    |      |      |      | rank        | 186. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | 0,28  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,50  |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | 1,41  |    |    |   |    |    |
| Teat Length           | -1,04 |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | 1,01  |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | -0,58 |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | 0,40  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,1 | <b>Frame</b> | <b>0,31</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,3 | <b>Dairy Strength</b> | <b>0,60</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 83,1 | <b>Feet &amp; Legs</b> | <b>-0,36</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 80,7 | <b>Udder</b> | <b>1,28</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>99,3</b> |
|--|------------|-------------|

rank 87.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>EM-JO GRANADA-ET</b> | <b>CZ000114472761</b> | <b>24.08.2002</b> | <b>MTA-001</b> |
| Country of origin       | CZ                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 09.12.2002     |
|                         |                       | CSK               | 271102         |

### Pedigree

|                            |            |                          |
|----------------------------|------------|--------------------------|
| <b>Sire</b>                | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| MANAT-ET                   |            | US000002119526           |
| DE002261530135             | <b>PGD</b> | IMPERIAL SPLEMDORS STYLE |
| MNL-004                    |            | US000013633539           |
| <b>Dam</b>                 | <b>MGS</b> | RICECREST EMERSON-ET     |
| RICECREST EMERSON ELYSE-ET |            | US000002271271           |
| US000129882761             | <b>MGD</b> | RICECREST LUKE LORI-ET   |
|                            |            | US000015626470           |

|                             |            |           |    |            |           |             |           |             |            |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 82        | Rel.        | 91 %      | <b>SPI</b>  | 1801       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %           | Prot.     | %           | rank       |
| <b>1612</b>                 |            |           |    | <b>354</b> | <b>17</b> | <b>0,06</b> | <b>13</b> | <b>0,04</b> | <b>SCS</b> |
|                             |            |           |    |            |           |             |           |             | rank       |
|                             |            |           |    |            |           |             |           |             | 124.       |
|                             |            |           |    |            |           |             |           |             | 377.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 26 | 78,3 | Rel. | 70 % | <b>TYPE</b> | 0,89 |
|                  |             |       |       |       |    |      |      |      | rank        | 187. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,14  |    |    |   |    |    |
| Angularity            | 0,68  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | -0,15 |    |    |   |    |    |
| Rump Angle            | -0,44 |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | 0,66  |    |    |   |    |    |
| Fore Udder Attachment | 0,67  |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -0,67 |    |    |   |    |    |
| Rear Udder Height     | 0,29  |    |    |   |    |    |
| Rear Udder Width      | 0,67  |    |    |   |    |    |
| Central Ligament      | 0,35  |    |    |   |    |    |
| Udder Depth           | 0,48  |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,24 |    |    |   |    |    |
| Rear Teat Placement   | 0,50  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,84 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,5 | <b>Frame</b> | <b>0,02</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,3 | <b>Dairy Strength</b> | <b>0,87</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,8 | <b>Feet &amp; Legs</b> | <b>1,08</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,5 | <b>Udder</b> | <b>0,66</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>89,8</b> |
|--|------------|-------------|

rank 104.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |              |                |
|--------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date   | State Register |
| <b>ROYCEDALE ACADEMY</b> | <b>CA000005360300</b> | 19.04.1991   | <b>ARS-017</b> |
| Country of origin        | CA                    | <b>Breed</b> | H100           |
| Distributor              | INSEMAS s.r.o.        | Herdbook     | HA             |
|                          |                       | Paternity    | 27.03.1992     |
|                          |                       | CAN          | 270807         |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | HANOVERHILL STARBUCK        |
| MADAWASKA AEROSTAR         |            | CA000000352790              |
| CA000000383622             | <b>PGD</b> | MADAWASKA SHADY             |
| STB-011                    |            | CA0000003511527             |
| <b>Dam</b>                 | <b>MGS</b> | HANOVER-HILL INSPIRATION    |
| ROYCEDALE INSPIRA ALANA-ET |            | CA000000363162 IS-003       |
| CA0000004534520            | <b>MGD</b> | ROYCEDALE SHEIK ADRIENNE-ET |
|                            |            | CA0000003374064             |

|                             |            |           |            |             |             |          |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>114</b> | Daug.       | <b>1442</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-357</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat      | %           | Prot.      | %           |
| <b>28903</b>                |            |           |            | <b>-211</b> |             | <b>5</b> | <b>0,25</b> | <b>-3</b>  | <b>0,07</b> |
|                             |            |           |            |             |             |          |             | <b>SCS</b> | <b>3,10</b> |
|                             |            |           |            |             |             |          |             | rank       | 494.        |
|                             |            |           |            |             |             |          |             | rank       | 662.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 10</b> | Daug. | <b>48</b> | 76,8 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,88</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 188.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,21 |    |    |   |    |    |
| Angularity            | 0,51  |    |    |   |    |    |
| Chest Width           | -0,26 |    |    |   |    |    |
| Body Depth            | 0,93  |    |    |   |    |    |
| Rump Angle            | -1,48 |    |    |   |    |    |
| Rear Legs Side View   | -0,61 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | 0,93  |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,70  |    |    |   |    |    |
| Udder Depth           | -0,75 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | 0,85  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,5 | <b>Frame</b>           | <b>-0,28</b> |
| 75,8 | <b>Dairy Strength</b>  | <b>2,06</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>0,88</b>  |
| 77,0 | <b>Udder</b>           | <b>0,84</b>  |
|      | <b>SHI</b>             | <b>24,4</b>  |
|      | rank                   | 274.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |              |                |
|---------------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date   | State Register |
| <b>RICECREST LANTZ-ET</b> | <b>US000002266008</b>             | 29.04.1994   | <b>LU-011</b>  |
| Country of origin         | US                                | <b>Breed</b> | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                           |                                   | Paternity    | 19.05.1995     |
|                           |                                   | USA          | IG210624A      |

### Pedigree

|                              |                |                             |
|------------------------------|----------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                     |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET |
| CLE-005                      | US000012365669 |                             |
| <b>Dam</b>                   | <b>MGS</b>     | SOUTHWIND BELL OF BAR-LEE   |
| RICECREST SOUTHWIND KAYE-ET  | US000001964484 | BEL-001                     |
| US000014334791               | <b>MGD</b>     | RICECREST NED BOY NOREEN-ET |
|                              | US000012806737 |                             |

|                             |            |           |   |       |     |       |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 8 | Daug. | 23  | Rel.  | 86 %  | <b>SPI</b> | 2405       |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %     | Prot. | %          | rank       |
| 479                         |            |           |   | 690   | 12  | -0,25 | 17    | -0,09      | <b>SCS</b> |
|                             |            |           |   |       |     |       |       |            | 3,31       |
|                             |            |           |   |       |     |       |       |            | rank       |
|                             |            |           |   |       |     |       |       |            | ...        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 7 | Daug. | 23 | 79,7 | Rel. | 76 % | <b>TYPE</b> | 0,88 |
|                  |             |       |        |       |    |      |      |      | rank        | 189. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,06 |    |    |   |    |    |
| Angularity            | 0,60  |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | -0,16 |    |    |   |    |    |
| Rump Angle            | -0,72 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | -0,73 |    |    |   |    |    |
| Rear Udder Height     | 0,39  |    |    |   |    |    |
| Rear Udder Width      | 0,56  |    |    |   |    |    |
| Central Ligament      | 1,90  |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,18  |    |    |   |    |    |
| Rear Teat Placement   | 0,34  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 79,7 | <b>Frame</b> | -0,24 |
|------|--------------|-------|

|      |                       |      |
|------|-----------------------|------|
| 79,7 | <b>Dairy Strength</b> | 0,90 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 78,9 | <b>Feet &amp; Legs</b> | 0,36 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 79,9 | <b>Udder</b> | 1,14 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 107,6 |
|--|------------|-------|

rank 73.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>BRESSANO</b>  | <b>FR008550488971</b> | <b>11.11.2006</b> | <b>BW-029</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 26.06.2007 |
|                   |                                   | FR           | F/S401059  |

### Pedigree

|                  |            |                             |
|------------------|------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| R-E-W BUCKEYE-ET |            | US000002290977              |
| US000130588960   | <b>PGD</b> | MAYERLANE RUD BUBBLE-ET     |
| BW-036           |            | US000120536177              |
| <b>Dam</b>       | <b>MGS</b> | JOCKO BESN                  |
| RUSEE            |            | FR005694028588              |
| FR004934539936   | <b>MGD</b> | MAKY                        |
|                  |            | FR004496050028              |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>280</b> | Rel.     | <b>97 %</b>  | <b>SPI</b> | <b>1115</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 222.         |
| <b>5690</b>                 |            |           |           | <b>424</b> |            | <b>6</b> | <b>-0,20</b> | <b>6</b>   | <b>-0,16</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>2,75</b>  |
|                             |            |           |           |            |            |          |              | rank       | 232.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 12</b> | Daug. | <b>99</b> | 80,0 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>0,87</b> |
|                  |             |       |                |       |           |      |      | rank        | 190.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,55  |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | -0,40 |    |    |   |    |    |
| Rump Angle            | 0,21  |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | 0,72  |    |    |   |    |    |
| Front Teat Placement  | -0,08 |    |    |   |    |    |
| Teat Length           | 0,08  |    |    |   |    |    |
| Rear Udder Height     | 0,94  |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | 0,50  |    |    |   |    |    |
| Udder Depth           | 1,00  |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | 0,65  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,5 | <b>Frame</b> | <b>0,36</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,2 | <b>Dairy Strength</b> | <b>0,06</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Feet &amp; Legs</b> | <b>-0,46</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,5 | <b>Udder</b> | <b>1,52</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>68,4</b> |
|--|------------|-------------|

rank 154.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>MISTY SPRINGS BENJAMIN RED-ET</b> | <b>CA000007866444</b> | <b>02.02.2006</b> | <b>ELN-026</b> |
| Country of origin                    | CA                    | <b>Breed</b>      | R100           |
| Distributor                          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                      |                       | Paternity         | 24.03.2006     |
|                                      |                       | CA                | DC158548       |

### Pedigree

|                                 |            |                           |
|---------------------------------|------------|---------------------------|
| <b>Sire</b>                     | <b>PGS</b> | WA-DEL CONVINCER-ET       |
| GEN-I-BEQ SALTO-ET              |            | US000002249055            |
| CA000009243546                  | <b>PGD</b> | GLEN DRUMMOND SPLENDOR-ET |
|                                 |            | CA000006847680            |
| <b>Dam</b>                      | <b>MGS</b> | LADINO PARK TALENT-IMP-ET |
| MISTY SPRINGS TALENT BRIDGET-ET |            | AU000000930377            |
| CA000007290642                  | <b>MGD</b> | BIPPER DRAGON BRIDGE-ET   |
|                                 |            | CA000010556415            |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>392</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-1107</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 674.         |
| <b>5778</b>                 |            |           |           | <b>-315</b> |            | <b>-11</b> | <b>0,01</b> | <b>SCS</b> | <b>2,83</b>  |
|                             |            |           |           |             |            | <b>-6</b>  | <b>0,09</b> | rank       | 319.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 3</b> | Daug. | <b>60</b> | 81,3 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>0,87</b> |
|                  |             |       |               |       |           |      |      | rank        | 191.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,34  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,42 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,29  |    |    |   |    |    |
| Front Teat Placement  | 1,03  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,37 |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | 0,68  |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | 0,77  |    |    |   |    |    |
| Rear Teat Placement   | 0,89  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,2 | <b>Frame</b>           | <b>0,32</b> |
| 81,7 | <b>Dairy Strength</b>  | <b>0,09</b> |
| 83,5 | <b>Feet &amp; Legs</b> | <b>0,89</b> |
| 78,3 | <b>Udder</b>           | <b>0,77</b> |
|      | <b>SHI</b>             | <b>1,3</b>  |
|      | rank                   | 360.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>MACASSAR</b>   | <b>FR005996005070</b>             | 19.04.1996   | <b>BW-013</b>  |
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 08.08.2001     |
|                   |                                   | FRA          | 629077         |

### Pedigree

|                        |            |                       |
|------------------------|------------|-----------------------|
| <b>Sire</b>            | <b>PGS</b> | ARLINDA MELWOOD-ET    |
| MAIZEFIELD BELLWOOD-ET |            | US000001879149        |
| US000002103297         | <b>PGD</b> | BREN-WAY BELL BETSY   |
| MEW-004                |            | US000012052401        |
| <b>Dam</b>             | <b>MGS</b> | EMPRISE BELL ELTON    |
| OKRA-ET                |            | US000001912270        |
| NL000778071488         | <b>MGD</b> | RAYFAY KAY MARK KAREN |
|                        |            | US000012607341        |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 351 | Rel. | 98 % | <b>SPI</b> | 1018       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 7226                        |            |           |    | 274   | 14  | 0,05 | 4    | -0,10      | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 238.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 541.       |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 26 / 11 | Daug. | 177 | 78,5 | Rel. | 93 % | <b>TYPE</b> | 0,87 |
|                  |             |       |         |       |     |      |      |      | rank        | 192. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,39  |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | -0,25 |    |    |   |    |    |
| Teat Length           | 1,09  |    |    |   |    |    |
| Rear Udder Height     | 0,32  |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | -0,58 |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | -0,15 |    |    |   |    |    |
| Locomotion            | 0,49  |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 80,7 | <b>Frame</b> | 0,40 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 78,5 | <b>Dairy Strength</b> | 0,08 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 78,7 | <b>Feet &amp; Legs</b> | 1,51 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,4 | <b>Udder</b> | 0,66 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 65,4 |
|--|------------|------|

rank 161.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COGENT AZURE-ET</b> | <b>GB160193102824</b>      | <b>01.09.2004</b> | <b>MED-023</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | GB                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 21.05.2010 |
|                   |                                   | NL           | 127276     |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | HA-HO CUBBY MANFRED-ET<br>US000002183007      |
| O-BEE MANFRED JUSTICE-ET<br>US000122358313<br>MED-012 | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET<br>US000015459080 |
| <b>Dam</b>  | <b>MGS</b> | DIXIE-LEE AARON-ET<br>US000002265005          |
| LADYS-MANOR AUTUMN<br>US000060093782                  | <b>MGD</b> | LADYS-MANOR TOREE-ET<br>US000121477095        |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.      | <b>744</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>2889</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 41.         |
| <b>11791</b>                |            |           |           | <b>741</b> |            | <b>7</b> | <b>-0,37</b> | <b>SCS</b> | <b>3,91</b> |
|                             |            |           |           |            |            |          |              | rank       | 1233.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>41 / 12</b> | Daug. | <b>375</b> | 81,0 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,87</b> |
|                  |             |       |                |       |            |      |      | rank        | 193.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,40  |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,47  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,34  |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | -0,45 |    |    |   |    |    |
| Udder Depth           | 0,68  |    |    |   |    |    |
| Rump Width            | -0,13 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | 0,52  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,2 | <b>Frame</b> | <b>0,54</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,6 | <b>Dairy Strength</b> | <b>0,97</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 81,9 | <b>Feet &amp; Legs</b> | <b>1,41</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,7 | <b>Udder</b> | <b>0,16</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>121,8</b> |
|--|------------|--------------|

rank 55.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>WEST PORT BRAVISI-RED-ET</b> | <b>CA000010702311</b> | <b>03.10.1999</b> | <b>ATE-011</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CA                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 02.06.2005 |
|                   |                                   | DE           | 05/37827   |

### Pedigree

|                            |                |                            |
|----------------------------|----------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b>     | DUREGAL ASTRE STARBUCK ET  |
| MAPEL WOOD CLIFFHANGER     | CA000000392405 | STB-015                    |
| CA000005858828             | <b>PGD</b>     | ARNELL BLACKSTAR DEBUTANTE |
|                            | CA000005439097 |                            |
| <b>Dam</b>                 | <b>MGS</b>     | BROOKNOOK MILESTONE-ET RED |
| ALDONHILL BRILLANCE RED-ET | CA000000400985 |                            |
| CA000006525030             | <b>MGD</b>     | LYNLAND BLACKSTAR ANN-ET   |
|                            | CA000005052151 |                            |

|                             |            |           |           |             |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>76</b> | Daug.       | <b>1081</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-194</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       |              | rank       | 464.        |
| <b>22096</b>                |            |           |           | <b>-157</b> |             | <b>13</b> | <b>0,36</b>  | <b>SCS</b> | <b>2,96</b> |
|                             |            |           |           |             |             | <b>-5</b> | <b>-0,01</b> | rank       | 474.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 6</b> | Daug. | <b>118</b> | 78,5 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,86</b> |
|                  |             |       |               |       |            |      |      | rank        | 194.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,87  |    |    |   |    |    |
| Angularity            | 1,61  |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | 1,72  |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | -0,51 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -0,45 |    |    |   |    |    |
| Rear Udder Height     | 0,32  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | 0,04  |    |    |   |    |    |
| Rump Width            | -0,35 |    |    |   |    |    |
| Rear Legs Rear View   | -0,10 |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,80 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,9 | <b>Frame</b> | <b>0,63</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,1 | <b>Dairy Strength</b> | <b>2,55</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,6 | <b>Feet &amp; Legs</b> | <b>-1,09</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 75,4 | <b>Udder</b> | <b>0,47</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>28,6</b> |
|--|------------|-------------|

rank 254.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>MILK&amp;HONEY SONOMA -RED-TW</b> | <b>US000060098361</b> | <b>10.02.2000</b> | <b>ATE-009</b> |
| Country of origin                    | US                    | <b>Breed</b>      | R100           |
| Distributor                          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                      |                       | Paternity         | 09.12.2003     |
|                                      |                       | DE                | 03/45556       |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | DUREGAL ASTRE STARBUCK ET   |
| STBVQ RUBENS-ET         |            | CA000000392405              |
| CA000005844883          | <b>PGD</b> | HANOVERHILL STAR ROYAL ET   |
|                         |            | CA000004323541              |
| <b>Dam</b>              | <b>MGS</b> | LOOSLEA BSTAR MARCEL-ET     |
| SFL MISS SCARLET-RED-ET |            | US000002138315              |
| US000017241981          | <b>MGD</b> | STOOKEY FAGN SCARLET RED-ET |
|                         |            | US000011681841              |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>141</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>-516</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 535.        |
| <b>2858</b>                 |            |           |           | <b>-178</b> |            | <b>-5</b> | <b>0,03</b> | <b>SCS</b> | <b>3,32</b> |
|                             |            |           |           |             |            | <b>-2</b> | <b>0,07</b> | rank       | 947.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 2</b> | Daug. | <b>77</b> | 79,6 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>0,85</b> |
|                  |             |       |               |       |           |      |      | rank        | 195.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,29 |    |    | ■ |    |    |
| Angularity            | 0,11  |    |    | ■ |    |    |
| Chest Width           | -0,01 |    |    | ■ |    |    |
| Body Depth            | 0,18  |    |    | ■ |    |    |
| Rump Angle            | -1,26 |    | ■  |   |    |    |
| Rear Legs Side View   | -0,11 |    | ■  |   |    |    |
| Foot Angle            | 0,07  |    |    | ■ |    |    |
| Fore Udder Attachment | 0,20  |    |    | ■ |    |    |
| Front Teat Placement  | 0,50  |    |    | ■ |    |    |
| Teat Length           | -0,12 |    |    | ■ |    |    |
| Rear Udder Height     | 0,53  |    |    | ■ |    |    |
| Rear Udder Width      | 0,44  |    |    | ■ |    |    |
| Central Ligament      | 0,37  |    |    | ■ |    |    |
| Udder Depth           | 0,91  |    |    | ■ |    |    |
| Rump Width            | 0,20  |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,22  |    |    | ■ |    |    |
| Rear Teat Placement   | 0,13  |    |    | ■ |    |    |
| Locomotion            | -0,24 |    |    | ■ |    |    |
| Body Condition        | 0,41  |    |    | ■ |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 82,9 | <b>Frame</b> | <b>-0,42</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,9 | <b>Dairy Strength</b> | <b>0,25</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,9 | <b>Feet &amp; Legs</b> | <b>0,05</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,3 | <b>Udder</b> | <b>1,75</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>18,4</b> |
|--|------------|-------------|

rank 303.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>BUSLAK EMPEROR KORMOS</b> | <b>SK000800121444</b> | <b>21.07.2005</b> | <b>EMY-006</b> |
| Country of origin            | SK                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 15.12.2006     |
|                              |                       | SK                | 0393/14        |

### Pedigree

|                      |            |                        |
|----------------------|------------|------------------------|
| <b>Sire</b>          | <b>PGS</b> | MJR BLACKSTAR EMORY-ET |
| HENKESEEN EMPEROR-ET |            | US000002114601         |
| US000017256762       | <b>PGD</b> | HENKESEEN M HILLARY-ET |
| EMY-002              |            | US000014973207         |
| <b>Dam</b>           | <b>MGS</b> | STARTMORE RUDOLPH-ET   |
| SK000067254843       |            | CA000005470579         |
|                      | <b>MGD</b> | SK000033873823         |
|                      |            | ARS-015                |

|                             |            |           |    |            |    |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 21 | Daug.      | 89 | Rel.     | 91 %         | <b>SPI</b> | 1526         |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat      | %            | rank       | 151.         |
| <b>1430</b>                 |            |           |    | <b>573</b> |    | <b>1</b> | <b>-0,36</b> | <b>11</b>  | <b>-0,14</b> |
|                             |            |           |    |            |    |          |              | <b>SCS</b> | <b>2,43</b>  |
|                             |            |           |    |            |    |          |              | rank       | 55.          |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 5 | Daug. | 24 | 78,7 | Rel. | 69 % | <b>TYPE</b> | 0,85 |
|                  |             |       |       |       |    |      |      | rank | 196.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,71  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,23  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | -1,01 |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | -0,73 |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | 0,30  |    |    |   |    |    |
| Central Ligament      | 0,75  |    |    |   |    |    |
| Udder Depth           | -0,48 |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | 0,40  |    |    |   |    |    |
| Body Condition        | -0,54 |    |    |   |    |    |

daught. average

83,5 **Frame** 1,19

78,3 **Dairy Strength** 0,32

79,1 **Feet & Legs** 1,00

76,2 **Udder** 0,18

**SHI** 79,8

rank 125.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>JOLICAP WORLDWIDE-ET</b> | <b>CA000106745383</b> | <b>31.07.2011</b> | <b>GAD-016</b> |
| Country of origin           | CA                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 26.04.2012     |
|                             |                       | CA                | DC305493       |

### Pedigree

|                            |            |                            |         |
|----------------------------|------------|----------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | BRAEDALE GOLDWYN-ET        |         |
| GILLETTE JORDAN            |            | CA000010705608             | GAD-002 |
| CA000007588022             | <b>PGD</b> | GELLETTTE-I DURHAM JERICHO |         |
| GAD-005                    |            | CA000008143479             |         |
| <b>Dam</b>                 | <b>MGS</b> | EMERALD-ACR-SA T-BAXTER    |         |
| TRAMILDA-N BAXTER EMILY-ET |            | US000132973942             | EMY-019 |
| US000139232811             | <b>MGD</b> | WABASH-WAY EVETT-ET        |         |
|                            |            | US000137044384             |         |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.      | 397 | Rel.      | 97 %        | <b>SPI</b> | 2771        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %           |
| <b>4079</b>                 |            |           |    | <b>386</b> |     | <b>43</b> | <b>0,49</b> | <b>16</b>  | <b>0,09</b> |
|                             |            |           |    |            |     |           |             | rank       | 49.         |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | <b>2,41</b> |
|                             |            |           |    |            |     |           |             | rank       | 45.         |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 5 | Daug. | 74 | 81,0 | Rel. | 82 % | <b>TYPE</b> | 0,84 |
|                  |             |       |        |       |    |      |      |      | rank        | 197. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,06  |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | -0,50 |    |    |   |    |    |
| Rump Angle            | 0,57  |    |    |   |    |    |
| Rear Legs Side View   | -0,45 |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | 0,44  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 0,17  |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | -0,43 |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | 1,30  |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | -0,22 |    |    |   |    |    |
| Rear Teat Placement   | 0,77  |    |    |   |    |    |
| Locomotion            | 0,34  |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

daught. average

85,1 **Frame** 0,64

80,5 **Dairy Strength** -0,39

82,8 **Feet & Legs** 1,36

78,1 **Udder** 0,56

**SHI** 117,0

rank 58.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                            |                   |                       |
|----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                 | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>CANYON-BREEZE AIR-TIME-ET</b> | <b>US000130124155</b>      | <b>18.04.2000</b> | <b>LU-025</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 25.06.2004 |
|                   |                                   | US           | IG018328A  |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| DIXIE-LEE AARON-ET         |            | US000002071864               |
| US000002265005             | <b>PGD</b> | DIXIE-LEE ASPEN-ET           |
| LU-009                     |            | US000014889171               |
| <b>Dam</b>                 | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET       |
| CANYON-BREEZE BLW ALICE-ET |            | US000002103297               |
| US000122944455             | <b>MGD</b> | CANYON-BREEZE RTL AMIE-ET    |
|                            |            | US000014603504               |

|                             |            |           |    |            |     |          |              |            |             |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug.      | 658 | Rel.     | 99 %         | <b>SPI</b> | 1413        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | rank       | 167.        |
| <b>13043</b>                |            |           |    | <b>315</b> |     | <b>7</b> | <b>-0,10</b> | <b>12</b>  | <b>0,05</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | <b>3,14</b> |
|                             |            |           |    |            |     |          |              | rank       | 724.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 41 / 13 | Daug. | 182 | 79,5 | Rel. | 93 % | <b>TYPE</b> | 0,83 |
|                  |             |       |         |       |     |      |      | rank | 198.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,43  |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | -0,19 |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,63  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | 0,25  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | 0,99  |    |    |   |    |    |
| Udder Depth           | 0,34  |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 83,0 | <b>Frame</b>           | <b>0,48</b>  |
|                 | 79,7 | <b>Dairy Strength</b>  | <b>-0,01</b> |
|                 | 80,0 | <b>Feet &amp; Legs</b> | <b>1,59</b>  |
|                 | 77,5 | <b>Udder</b>           | <b>0,59</b>  |
|                 |      | <b>SHI</b>             | <b>76,0</b>  |
|                 |      | rank                   | 135.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells  
SHA 11/2017 Type breeding values released by (Slovak Holstein Association)  
Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).  
SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>CAERNARVON JAY-ET</b> | <b>US000002204207</b> | <b>01.08.1992</b> | <b>MAS-012</b> |
| Country of origin        | US                    | <b>Breed</b>      | H100           |
| Distributor              | INSEMAS s.r.o.        | Herdbook          | HA             |
|                          |                       | Paternity         | 19.04.1993     |
|                          |                       | USA               | IG182793B      |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY       |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201               |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY     |
| NBV-011                       |            | US000011356580               |
| <b>Dam</b>                    | <b>MGS</b> | WALKWAY CHIEF MARK           |
| CAERNARVON MARK JESSIE-ET     |            | US000001773417               |
| US000012859765                | <b>MGD</b> | BESHORE ROTATE BUPPLYNN JODY |
|                               |            | US000011203426               |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>94</b> | Daug.      | <b>1196</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>603</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |             | rank       | 317.        |
| <b>23663</b>                |            |           |           | <b>151</b> |             | <b>13</b> | <b>0,11</b> | <b>SCS</b> | <b>3,36</b> |
|                             |            |           |           |            |             |           |             | rank       | 995.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>49 / 20</b> | Daug. | <b>232</b> | 77,8 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,83</b> |
|                  |             |       |                |       |            |      |      | rank        | 199.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,03 |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | 0,55  |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | 0,20  |    |    |   |    |    |
| Foot Angle            | -0,05 |    |    |   |    |    |
| Fore Udder Attachment | 0,16  |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | 0,89  |    |    |   |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   |    |    |
| Rear Teat Placement   | 1,15  |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

|                 |      |                        |             |
|-----------------|------|------------------------|-------------|
| daught. average | 80,3 | <b>Frame</b>           | <b>0,43</b> |
|                 | 76,5 | <b>Dairy Strength</b>  | <b>1,37</b> |
|                 | 78,2 | <b>Feet &amp; Legs</b> | <b>0,40</b> |
|                 | 76,8 | <b>Udder</b>           | <b>0,57</b> |
|                 |      | <b>SHI</b>             | <b>51,5</b> |
|                 |      | rank                   | 199.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells  
 SHA 11/2017 Type breeding values released by (Slovak Holstein Association)  
 Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).  
 SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>BARILL</b>     | <b>DE00034371222</b>              | 29.11.1998   | <b>BLT-001</b> |
| Country of origin | DE                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 12.04.1999     |
|                   |                                   | DEU          | 99/5257        |

### Pedigree

|                |            |                       |         |
|----------------|------------|-----------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | BELT                  |         |
| BASAR          |            | DE001020475657        |         |
| DE001011164690 | <b>PGD</b> | SALINA 118            |         |
|                |            | DE001011035121        |         |
| <b>Dam</b>     | <b>MGS</b> | RONNYBROOK PRELUDE-ET | STB-016 |
| GLORINE 7      |            | CA000000392457        |         |
| DE001021330529 | <b>MGD</b> | GLORIA 7              |         |
|                |            | DE001021135219        |         |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 40 | Daug. | 122 | Rel. | 94 % | <b>SPI</b> | 1257       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 2532                        |            |           |    | 39    | 25  | 0,42 | 8    | 0,15       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 199.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 331.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 7 | Daug. | 22 | 78,1 | Rel. | 62 % | <b>TYPE</b> | 0,83 |
|                  |             |       |       |       |    |      |      |      | rank        | 200. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,42  |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | -0,47 |    |    |   |    |    |
| Body Depth            | 0,72  |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,54  |    |    |   |    |    |
| Teat Length           | -0,09 |    |    |   |    |    |
| Rear Udder Height     | -0,03 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,72  |    |    |   |    |    |
| Udder Depth           | -0,95 |    |    |   |    |    |
| Rump Width            | 0,99  |    |    |   |    |    |
| Rear Legs Rear View   | -0,78 |    |    |   |    |    |
| Rear Teat Placement   | 0,19  |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

80,8 **Frame** 0,82

77,7 **Dairy Strength** 1,09

78,4 **Feet & Legs** 0,13

76,7 **Udder** 0,22

**SHI** 71,2

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>RIDGE-HEIGHTS ORN TRAVEL-ET</b> | <b>US000060913940</b>             | <b>28.04.2002</b> | <b>HUN-004</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 18.07.2003     |
|                                    |                                   | USA               | DNA            |

### Pedigree

**Sire** **PGS** AMELDIN II PONTIAC HUNTER-323  
ANDACRES HUNTER ORION  
US000002294563

**PGD** ANDACRES LEADMAN OREO  
US000014779973

**Dam** **MGS** STARTMORE RUDOLPH-ET  
RIDGE-HEIGHTS TRAVELER  
US000018062853

**MGD** RIDGGE-HEIGHTS HEAVEN  
US000014210771

|                             |             |            |           |       |              |      |             |            |             |
|-----------------------------|-------------|------------|-----------|-------|--------------|------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017  | Herds      | <b>34</b> | Daug. | <b>81</b>    | Rel. | <b>92 %</b> | <b>SPI</b> | <b>615</b>  |
| Number controls             | <b>1763</b> | <b>BV</b>  |           | Milk  | <b>159</b>   | Fat  | <b>16</b>   | %          | <b>0,18</b> |
|                             |             | Prot.      | <b>-1</b> | %     | <b>-0,13</b> | rank |             |            | 314.        |
|                             |             | <b>SCS</b> |           |       |              | rank |             |            | 57.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 7</b> | Daug. | <b>15</b> | 79,2 | Rel. | <b>59 %</b> | <b>TYPE</b> | <b>0,83</b> |
|                  |             | rank  |              |       |           |      |      |             |             | 201.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,97  |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | 0,73  |    |    |   |    |    |
| Body Depth            | -0,25 |    |    |   |    |    |
| Rump Angle            | -0,67 |    |    |   |    |    |
| Rear Legs Side View   | -0,63 |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | 0,65  |    |    |   |    |    |
| Front Teat Placement  | 0,05  |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 0,21  |    |    |   |    |    |
| Udder Depth           | 2,49  |    |    |   |    |    |
| Rump Width            | -0,33 |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | -0,21 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,53  |    |    |   |    |    |

daught. average

82,1 **Frame** **1,32**

79,5 **Dairy Strength** **0,03**

78,5 **Feet & Legs** **0,40**

77,9 **Udder** **0,18**

**SHI** **51,6**

rank ...

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SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>LUDOX</b>      | <b>DE000578720303</b>             | <b>21.05.1999</b> | <b>LOG-010</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 20.06.2003            |
|                   |                                   | DEU               | 03/38633              |

### Pedigree

|                    |                |                             |
|--------------------|----------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b>     | SHADY-LAWN-U LOGIC RED-ET   |
| MASAL LUCKY RED-ET | US000002034426 | SUN-003                     |
| US000002228267     | <b>PGD</b>     | DERRWYN CENTRA SASSY RED-ET |
|                    | US000013630917 |                             |
| <b>Dam</b>         | <b>MGS</b>     | BRABANT STAR PATRON-ET      |
| MAIKE              | US000002160458 | BS-034                      |
| DE000577226099     | <b>MGD</b>     | MAYWIND                     |
|                    | DE000576270437 |                             |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.      | <b>1193</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>253</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |             | rank       | 381.        |
| <b>24071</b>                |            |           |           | <b>-52</b> |             | <b>13</b> | <b>0,26</b> | <b>SCS</b> | <b>3,34</b> |
|                             |            |           |           |            |             | <b>-0</b> | <b>0,02</b> | rank       | 961.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 13</b> | Daug. | <b>192</b> | 78,4 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,83</b> |
|                  |             |       |                |       |            |      |      | rank        | 202.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,07  |    |    |   |    |    |
| Angularity            | -0,20 |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,10 |    |    |   |    |    |
| Udder Depth           | 0,03  |    |    |   |    |    |
| Rump Width            | 0,57  |    |    |   |    |    |
| Rear Legs Rear View   | 1,48  |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,27 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,2 | <b>Frame</b>           | <b>1,32</b>  |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,42</b> |
| 78,9 | <b>Feet &amp; Legs</b> | <b>1,00</b>  |
| 76,3 | <b>Udder</b>           | <b>0,23</b>  |
|      | <b>SHI</b>             | <b>40,7</b>  |
|      | rank                   | 231.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MONZA</b>      | <b>FR005996002810</b>             | <b>20.01.1996</b> | <b>LU-015</b>  |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 10.05.2001     |
|                   |                                   | FRA               | GS619621       |

### Pedigree

|                              |            |                             |
|------------------------------|------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN |            | US000001879085              |
| US000002071864               |            | CLE-003                     |
| CLE-005                      | <b>PGD</b> | NORRIELAKE VALIANT CHEER-ET |
|                              |            | US000012365669              |
| <b>Dam</b>                   | <b>MGS</b> | ROTHROCK TRADITION LEADMAN  |
| SFL LEADMAN COLEEN           |            | US000001983348              |
| US000014228152               |            | TDN-004                     |
|                              | <b>MGD</b> | SHEY-LAND ROTATE CONNIE-ET  |
|                              |            | US000012992246              |

|                             |            |           |    |       |    |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 59 | Rel.  | 90 % | <b>SPI</b> | 2054 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat   | %    | Prot.      | %    |
| 1112                        |            |           |    | 741   | 11 | -0,31 | 12   | -0,23      |      |
|                             |            |           |    |       |    |       |      | <b>SCS</b> | 3,06 |
|                             |            |           |    |       |    |       |      | rank       | 609. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 8 | Daug. | 37 | 78,2 | Rel. | 78 % | <b>TYPE</b> | 0,83 |
|                  |             |       |        |       |    |      |      |      | rank        | 203. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,78  |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | -0,33 |    |    |   |    |    |
| Body Depth            | -0,15 |    |    |   |    |    |
| Rump Angle            | -0,58 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | 0,53  |    |    |   |    |    |
| Fore Udder Attachment | -0,51 |    |    |   |    |    |
| Front Teat Placement  | -0,58 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,27 |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 1,08  |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | 0,60  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

80,3 **Frame** 0,68

79,0 **Dairy Strength** 0,78

77,4 **Feet & Legs** 1,21

77,3 **Udder** 0,36

**SHI** 95,0

rank 96.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                       |
|-----------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>      | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>ZERAS LARRY-ET</b> | <b>CZ000583444061</b>             | <b>18.05.2007</b> | <b>PEL-040</b>        |
| Country of origin     | CZ                                | <b>Breed</b>      | H100                  |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                       |                                   | Paternity         | 29.08.2008            |
|                       |                                   | CZ                | 0801386               |

### Pedigree

|                |            |                        |
|----------------|------------|------------------------|
| <b>Sire</b>    | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| MASCOL-ET      |            | IT006001001962         |
| DE000578891748 | <b>PGD</b> | ELAINE                 |
| PEL-031        |            | NL000211251345         |
| <b>Dam</b>     | <b>MGS</b> | HARTLINE TITANIC-ET    |
|                |            | US000123066734         |
| CZ000233185961 | <b>MGD</b> | ZERAS MARYSA           |
|                |            | CZ000017996961         |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug. | 134 | Rel. | 94 % | <b>SPI</b> | 989        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 2964                        |            |           |    | 135   | 15  | 0,17 | 6    | 0,03       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 244.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 15.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 11 | Daug. | 30 | 80,5 | Rel. | 72 % | <b>TYPE</b> | 0,82 |
|                  |             |       |         |       |    |      |      |      | rank        | 204. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,06  |    |    |   |    |    |
| Angularity            | 1,10  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | -0,09 |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | -0,72 |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -0,52 |    |    |   |    |    |
| Teat Length           | -0,29 |    |    |   |    |    |
| Rear Udder Height     | 0,66  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | -0,65 |    |    |   |    |    |
| Udder Depth           | 0,68  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 1,35  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,50  |    |    |   |    |    |
| Body Condition        | -0,36 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 84,7 | <b>Frame</b>           | 0,03 |
| 82,6 | <b>Dairy Strength</b>  | 1,87 |
| 81,7 | <b>Feet &amp; Legs</b> | 0,87 |
| 77,0 | <b>Udder</b>           | 0,38 |
|      | <b>SHI</b>             | 62,8 |
|      | rank                   | 168. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LIPPI-ET</b>   | <b>NL000430249095</b>             | <b>22.05.2006</b> | <b>LU-033</b>  |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.06.2006     |
|                   |                                   | NL                | 144280         |

### Pedigree

|                   |            |                        |
|-------------------|------------|------------------------|
| <b>Sire</b>       | <b>PGS</b> | LENTINI-ET             |
| LICHTBLICK-RED-ET |            | DE001012337003         |
| DE000345785578    | <b>PGD</b> | DITTMER JUBILANT OLORE |
|                   |            | DE001021588259         |
| <b>Dam</b>        | <b>MGS</b> | BEAUTIFUL              |
| PIETJE 515        |            | NL000189887001         |
| NL000355546378    | <b>MGD</b> | HUIJBEN PIETJE 514     |
|                   |            | NL000256660889         |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>62</b> | Daug.       | <b>658</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1041</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 659.         |
| <b>12520</b>                |            |           |           | <b>-407</b> |            | <b>-4</b> | <b>0,23</b> | <b>SCS</b> | <b>3,31</b>  |
|                             |            |           |           |             |            | <b>-6</b> | <b>0,16</b> | rank       | 934.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 6</b> | Daug. | <b>85</b> | 79,2 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>0,82</b> |
|                  |             |       |               |       |           |      |      | rank        | 205.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | -0,30 |    |    |   |    |    |
| Chest Width           | 0,39  |    |    |   |    |    |
| Body Depth            | 0,66  |    |    |   |    |    |
| Rump Angle            | -0,64 |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,28  |    |    |   |    |    |
| Fore Udder Attachment | 0,26  |    |    |   |    |    |
| Front Teat Placement  | 0,38  |    |    |   |    |    |
| Teat Length           | -0,16 |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,30 |    |    |   |    |    |
| Central Ligament      | 0,56  |    |    |   |    |    |
| Udder Depth           | 1,22  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | 1,09  |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>0,62</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,7 | <b>Dairy Strength</b> | <b>0,54</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,0 | <b>Feet &amp; Legs</b> | <b>0,35</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 75,9 | <b>Udder</b> | <b>0,57</b> |
|------|--------------|-------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>1,3</b> |
|--|------------|------------|

rank 361.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FLECHTER</b>   | <b>NL000399172302</b>             | <b>10.04.2005</b> | <b>FOM-019</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 29.07.2005     |
|                   |                                   | NL                | 129664         |

### Pedigree

|                 |            |                             |
|-----------------|------------|-----------------------------|
| <b>Sire</b>     | <b>PGS</b> | SHEN-VAL NV LM FORMATION-ET |
| OPSAL FINLEY-ET |            | US000002163822              |
| US000120780521  | <b>PGD</b> | DE-SU OPSAL ETHAN FIONA-ET  |
|                 |            | US000015788871              |
| <b>Dam</b>      | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| BW MARSHALL MAE |            | US000002290977              |
| NL000322769447  | <b>MGD</b> | US000014524115              |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>22</b> | Daug.      | <b>49</b> | Rel.      | <b>88 %</b>  | <b>SPI</b> | <b>1389</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 172.        |
| <b>886</b>                  |            |           |           | <b>315</b> |           | <b>6</b>  | <b>-0,13</b> | <b>SCS</b> | <b>2,72</b> |
|                             |            |           |           |            |           | <b>12</b> | <b>0,05</b>  | rank       | 204.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 6</b> | Daug. | <b>14</b> | 79,1 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>0,81</b> |
|                  |             |       |              |       |           |      |      | rank        | 206.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,02  |    |    |   |    |    |
| Angularity            | -0,07 |    |    |   |    |    |
| Chest Width           | 0,39  |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | 1,22  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | 0,57  |    |    |   |    |    |
| Rump Width            | 0,98  |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | 0,30  |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,2 | <b>Frame</b>           | <b>1,48</b>  |
| 78,4 | <b>Dairy Strength</b>  | <b>-0,05</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>0,96</b>  |
| 76,6 | <b>Udder</b>           | <b>0,22</b>  |
|      | <b>SHI</b>             | <b>74,4</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KEES</b>      | <b>NL000102825738</b>      | <b>21.11.1994</b> | <b>PEL-010</b>        |

|                   |                     |              |            |
|-------------------|---------------------|--------------|------------|
| Country of origin | NL                  | <b>Breed</b> | H100       |
| Distributor       | Holstein, Holandsko | Herdbook     | HA         |
|                   |                     | Paternity    | 15.11.1995 |
|                   |                     | SVK          | 0201/36    |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>  | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790       |
| RONNYBROOK PRELUDE-ET<br>CA000000392457<br>STB-016 | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO<br>US000009739109 |
| <b>Dam</b>   | <b>MGS</b> | S-W-D VALIANT<br>US000001650414              |
| QUIETCOVE VALIANT FAWN<br>US000011649988           | <b>MGD</b> | QUIETCOVE PETE FRESCA<br>US000010449277      |

|                             |            |           |    |             |     |           |             |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 49 | Daug.       | 135 | Rel.      | 95 %        | <b>SPI</b> | -2408        |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %           | Prot.      | %            |
| <b>2668</b>                 |            |           |    | <b>-614</b> |     | <b>-9</b> | <b>0,30</b> | <b>-20</b> | <b>-0,04</b> |
|                             |            |           |    |             |     |           |             | <b>SCS</b> | <b>3,00</b>  |
|                             |            |           |    |             |     |           |             | rank       | 958.         |
|                             |            |           |    |             |     |           |             | rank       | 544.         |

|                  |             |       |        |       |    |      |      |      |             |             |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 9 | Daug. | 16 | 77,8 | Rel. | 67 % | <b>TYPE</b> | <b>0,81</b> |
|                  |             |       |        |       |    |      |      |      | rank        | 207.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,26  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | 0,11  |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,38 |    |    |   |    |    |
| Front Teat Placement  | 0,14  |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | 0,61  |    |    |   |    |    |
| Rear Legs Rear View   | 0,01  |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>1,50</b>  |
| 74,9 | <b>Dairy Strength</b>  | <b>0,56</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,93</b>  |
| 76,7 | <b>Udder</b>           | <b>-0,29</b> |
|      | <b>SHI</b>             | <b>-40,3</b> |
|      | rank                   | 484.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>PREBELL-ET</b> | <b>DE000416033241</b> | <b>23.10.2001</b> | <b>PEL-023</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 12.11.2001 |
|                   |                | DEU          | 01/12676   |

### Pedigree

|                |            |                           |         |
|----------------|------------|---------------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | RONNYBROOK PRELUDE-ET     |         |
| PEDANT-ET      |            | CA000000392457            | STB-016 |
| DE001021497684 | <b>PGD</b> | EDELROSE                  |         |
|                |            | DE001020888555            |         |
| <b>Dam</b>     | <b>MGS</b> | EMERALD-ACRES-SA TONIC-ET |         |
| ATHENE         |            | US000002074727            | CLE-011 |
| DE001021467920 | <b>MGD</b> | ALASKA                    |         |
|                |            | DE001020891063            |         |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.       | <b>119</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1419</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 737.         |
| <b>2405</b>                 |            |           |           | <b>-388</b> |            | <b>-2</b>  | <b>0,24</b>  | <b>SCS</b> | <b>2,98</b>  |
|                             |            |           |           |             |            | <b>-13</b> | <b>-0,02</b> | rank       | 501.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>13</b> | 78,3 | Rel. | <b>53 %</b> | <b>TYPE</b> | <b>0,81</b> |
|                  |             |       |              |       |           |      |      | rank        | 208.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,53 |    |    |   |    |    |
| Angularity            | 0,83  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,08  |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | -0,02 |    |    |   |    |    |
| Foot Angle            | 0,20  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,61 |    |    |   |    |    |
| Teat Length           | -0,33 |    |    |   |    |    |
| Rear Udder Height     | 0,63  |    |    |   |    |    |
| Rear Udder Width      | 0,45  |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | 0,15  |    |    |   |    |    |
| Rump Width            | -0,39 |    |    |   |    |    |
| Rear Legs Rear View   | -0,76 |    |    |   |    |    |
| Rear Teat Placement   | 0,77  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,33 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 78,3 | <b>Frame</b>           | <b>-0,72</b> |
|                 | 79,9 | <b>Dairy Strength</b>  | <b>1,69</b>  |
|                 | 77,3 | <b>Feet &amp; Legs</b> | <b>-0,04</b> |
|                 | 77,6 | <b>Udder</b>           | <b>0,91</b>  |
|                 |      | <b>SHI</b>             | <b>-10,6</b> |
|                 |      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>AGRAS JEEP-ET</b> | <b>CZ000189006061</b>             | <b>18.05.2005</b> | <b>MED-027</b> |
| Country of origin    | CZ                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 08.06.2006     |
|                      |                                   | CZ                | 0601169        |

### Pedigree

**Sire** **PGS** HA-HO CUBBY MANFRED-ET  
RICECREST MURPHY-ET US000002183007  
US000128920633 **PGD** RICECREST LUKE LEANN-ET  
US000015634823

**Dam** **MGS** CALBRETT-I H H CHAMPION-ET  
CZ000008242961 CA000006961162 **RUH-002**  
**MGD** CZ000126244614

|                             |              |           |            |           |             |           |             |            |             |
|-----------------------------|--------------|-----------|------------|-----------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017   | Herds     | <b>34</b>  | Daug.     | <b>940</b>  | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>3328</b> |
| Number controls             | <b>11368</b> | <b>BV</b> | Milk       | Fat       | %           | Prot.     | %           | rank       | 26.         |
|                             |              |           | <b>658</b> | <b>29</b> | <b>0,06</b> | <b>25</b> | <b>0,09</b> | <b>SCS</b> | <b>2,86</b> |
|                             |              |           |            |           |             |           |             | rank       | 347.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 4</b> | Daug. | <b>84</b> | 80,6 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>0,80</b> |
|                  |             |       |               |       |           |      |      | rank        | 209.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,48 |    |    |   |    |    |
| Angularity            | 0,14  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,90  |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | 0,09  |    |    |   |    |    |
| Fore Udder Attachment | -0,20 |    |    |   |    |    |
| Front Teat Placement  | 0,03  |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | 0,21  |    |    |   |    |    |
| Rear Udder Width      | 0,97  |    |    |   |    |    |
| Central Ligament      | 0,10  |    |    |   |    |    |
| Udder Depth           | -0,92 |    |    |   |    |    |
| Rump Width            | 0,50  |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | -0,07 |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

daught. average

84,1 **Frame** **0,15**

81,4 **Dairy Strength** **1,60**

81,7 **Feet & Legs** **0,46**

77,9 **Udder** **0,40**

**SHI** **132,4**

rank 37.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>SHAWNEE-ET</b> | <b>DE001402951395</b>             | <b>11.10.2006</b> | <b>PEL-034</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 19.01.2007     |
|                   |                                   | DE                | 07/170         |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET |
| PICSTON SHOTTLE-ET |            | IT006001001962         |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON     |
| PEL-033            |            | CA000005373153         |
| <b>Dam</b>         | <b>MGS</b> | QUALITY FUTURE LAD     |
| E MADLEIN          |            | CA000005871356         |
| SE003717101116     | <b>MGD</b> | QA FELIC               |
|                    |            | SE000004100231         |

|                             |            |           |    |       |    |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 73 | Rel. | 90 % | <b>SPI</b> | -1834 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | rank       | 839.  |
| <b>1521</b>                 |            |           |    | -457  |    | -13  | 0,08 | <b>SCS</b> | 2,49  |
|                             |            |           |    |       |    |      |      | rank       | 77.   |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 5 | Daug. | 31 | 80,9 | Rel. | 70 % | <b>TYPE</b> | 0,80 |
|                  |             |       |        |       |    |      |      | rank | 210.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,56  |    |    |   |    |    |
| Angularity            | 0,35  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | -0,41 |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | 0,76  |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | 0,63  |    |    |   |    |    |
| Udder Depth           | 1,15  |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,5 | <b>Frame</b>           | <b>0,91</b>  |
| 81,3 | <b>Dairy Strength</b>  | <b>0,90</b>  |
| 81,4 | <b>Feet &amp; Legs</b> | <b>-0,04</b> |
| 78,6 | <b>Udder</b>           | <b>0,54</b>  |
|      | <b>SHI</b>             | <b>-23,3</b> |
|      | rank                   | 438.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>PREMIER-KERNDT SAILING-ET</b> | <b>US000062433020</b> | <b>27.12.2005</b> | <b>GAD-009</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 25.10.2006 |
|                   |                | CA           | DC171747   |

### Pedigree

|                        |            |                          |         |
|------------------------|------------|--------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | SHOREMAR JAMES           |         |
| BRAEDALE GOLDWYN-ET    |            | CA000005902195           |         |
| CA000010705608         | <b>PGD</b> | BRAEDALE BALER TWINE-ET  |         |
| GAD-002                |            | CA000006860888           |         |
| <b>Dam</b>             | <b>MGS</b> | STOUDER MORTY-ET         |         |
| PFAFFS MORTY SEASON-ET |            | US000017349617           | FOM-004 |
| US000134017033         | <b>MGD</b> | SHER-EST PATRON SAUCY-ET |         |
|                        |            | US000018057209           |         |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 274 | Rel.      | 96 %        | <b>SPI</b> | 2061        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       |             | rank       | 95.         |
| <b>3206</b>                 |            |           |    | <b>400</b> |     | <b>25</b> | <b>0,16</b> | <b>SCS</b> | <b>3,29</b> |
|                             |            |           |    |            |     | <b>13</b> | <b>0,00</b> | rank       | 908.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 28 / 10 | Daug. | 90 | 81,1 | Rel. | 85 % | <b>TYPE</b> | 0,79 |
|                  |             |       |         |       |    |      |      | rank | 211.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,04  |    |    |   |    |    |
| Angularity            | 0,10  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,68  |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | -0,04 |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 0,38  |    |    |   |    |    |
| Rear Udder Width      | 0,68  |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | -0,52 |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | -0,92 |    |    |   |    |    |
| Rear Teat Placement   | 0,48  |    |    |   |    |    |
| Locomotion            | -0,20 |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 85,3 | <b>Frame</b>           | 1,04  |
|                 | 81,9 | <b>Dairy Strength</b>  | 0,17  |
|                 | 82,0 | <b>Feet &amp; Legs</b> | -1,02 |
|                 | 78,2 | <b>Udder</b>           | 1,20  |
|                 |      | <b>SHI</b>             | 93,9  |
|                 |      | rank                   | 97.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>JOSY</b>      | <b>DE000113196426</b> | <b>19.12.2000</b> | <b>BES-003</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 16.02.2001 |
|                   |                                   | DEU          | 1/3010     |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN     |            | FR004486041658 |
| FR005694028588 | <b>PGD</b> | GAIA           |
|                |            | FR005691017484 |
| <b>Dam</b>     | <b>MGS</b> | EASTLAND CASH  |
| WILMA 21       |            | NL000775328514 |
| DE000111011058 | <b>MGD</b> | ORNELIA 15     |
|                |            | DE001015211905 |

SUB-005

|                             |            |           |           |           |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.     | <b>87</b> | Rel.      | <b>93 %</b> | <b>SPI</b> | <b>1008</b> |
| Number controls             |            | <b>BV</b> |           | Milk      |           | Fat       | %           | rank       | 241.        |
| <b>2195</b>                 |            |           |           | <b>43</b> |           | <b>19</b> | <b>0,31</b> | <b>SCS</b> | <b>3,58</b> |
|                             |            |           |           |           |           | <b>7</b>  | <b>0,11</b> | rank       | 1147.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 8</b> | Daug. | <b>21</b> | 78,9 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>0,79</b> |
|                  |             |       |              |       |           |      |      | rank        | 212.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,52  |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | -0,48 |    |    |   |    |    |
| Body Depth            | -0,83 |    |    |   |    |    |
| Rump Angle            | -0,25 |    |    |   |    |    |
| Rear Legs Side View   | -0,52 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,51  |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | 1,05  |    |    |   |    |    |
| Rear Udder Width      | 0,97  |    |    |   |    |    |
| Central Ligament      | 0,66  |    |    |   |    |    |
| Udder Depth           | 1,52  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | 0,52  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>-0,25</b> |
| 76,8 | <b>Dairy Strength</b>  | <b>-1,09</b> |
| 80,0 | <b>Feet &amp; Legs</b> | <b>0,99</b>  |
| 78,6 | <b>Udder</b>           | <b>1,19</b>  |
|      | <b>SHI</b>             | <b>62,1</b>  |
|      | rank                   | 171.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MARCEL RED</b> | <b>FR005996024475</b>             | <b>10.12.1996</b> | <b>MRC-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 16.04.1997     |
|                   |                                   | NL                |                |

### Pedigree

|                         |            |                                |
|-------------------------|------------|--------------------------------|
| <b>Sire</b>             | <b>PGS</b> | TO-MAR BLACKSTAR-ET            |
| LOOSLEA BSTAR MARCEL-ET |            | US000001929410                 |
| US000002138315          | <b>PGD</b> | STOOKEY ENHANCER MONICA-RED-ET |
|                         |            | US000012012699                 |
|                         |            | CHR-002                        |
| <b>Dam</b>              | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET  |
| SHADY-LAWN-U NANCY-ET   |            | US000002020049                 |
| US000015173486          | <b>MGD</b> | SHADY-LAWN-U LICORICE RED      |
|                         |            | US000011882992                 |
|                         |            | NBY-011                        |

|                             |            |           |            |            |             |           |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>115</b> | Daug.      | <b>1764</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-487</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       | %            | Prot.      | %            |
| <b>35872</b>                |            |           |            | <b>-15</b> |             | <b>-1</b> | <b>-0,18</b> | <b>-3</b>  | <b>-0,07</b> |
|                             |            |           |            |            |             |           |              | <b>SCS</b> | <b>3,31</b>  |
|                             |            |           |            |            |             |           |              | rank       | 528.         |
|                             |            |           |            |            |             |           |              | rank       | 932.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 15</b> | Daug. | <b>349</b> | 77,8 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,79</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 213.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,78 |    |    |   |    |    |
| Angularity            | 0,25  |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,55  |    |    |   |    |    |
| Rump Angle            | -1,25 |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,61 |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,73 |    |    |   |    |    |
| Teat Length           | 0,53  |    |    |   |    |    |
| Rear Udder Height     | 0,62  |    |    |   |    |    |
| Rear Udder Width      | 1,15  |    |    |   |    |    |
| Central Ligament      | 0,80  |    |    |   |    |    |
| Udder Depth           | -0,54 |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Frame</b>           | <b>-0,97</b> |
| 78,8 | <b>Dairy Strength</b>  | <b>1,19</b>  |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,74</b> |
| 76,8 | <b>Udder</b>           | <b>2,12</b>  |
|      | <b>SHI</b>             | <b>17,0</b>  |
|      | rank                   | 306.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>CLAYNOOK LODI RED-ET</b> | <b>CA000008964520</b> | <b>06.01.2008</b> | <b>BS-049</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 22.05.2008 |
|                   |                | CA           | DC207916   |

### Pedigree

|                              |            |                                 |
|------------------------------|------------|---------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | MARKIM THUNDER                  |
| DUDOC MR BURNS-ET            |            | US000017144785                  |
| CA000100745543               | <b>PGD</b> | GRANDUC MAGGIE STORM-ET         |
| BS-047                       |            | CA000006873895                  |
| <b>Dam</b>                   | <b>MGS</b> | LADINO PARK TALENT-IMP-ET       |
| COMESTAR LAUSINTIA TALENT-ET |            | AU000000930377                  |
| CA000102482531               | <b>MGD</b> | COMESTAR LAUSINDRA CONVINCER-ET |
|                              |            | CA000009194908                  |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>232</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-1260</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 703.         |
| <b>4147</b>                 |            |           |           | <b>-335</b> |            | <b>-13</b> | <b>-0,01</b> | <b>SCS</b> | <b>2,84</b>  |
|                             |            |           |           |             |            | <b>-7</b>  | <b>0,07</b>  | rank       | 330.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 3</b> | Daug. | <b>14</b> | 81,1 | Rel. | <b>52 %</b> | <b>TYPE</b> | <b>0,77</b> |
|                  |             |       |              |       |           |      |      | rank        | 214.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,47  |    |    |   |    |    |
| Angularity            | 0,56  |    |    |   |    |    |
| Chest Width           | -0,97 |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | 0,27  |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | -0,49 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,59  |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | 1,21  |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | 0,28  |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | -0,44 |    |    |   |    |    |
| Body Condition        | -1,13 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,0 | <b>Frame</b> | <b>1,36</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 81,4 | <b>Dairy Strength</b> | <b>-0,13</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 81,6 | <b>Feet &amp; Legs</b> | <b>-0,34</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 78,3 | <b>Udder</b> | <b>0,93</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-7,2</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SYNERGY ALTAJENKINS</b> | <b>US000064410464</b> | <b>22.11.2007</b> | <b>BW-056</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 30.10.2008 |
|                   |                | US           | MO8045245  |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| REGANCREST-HHF MAC-ET     |            | US000002290977              |
| US000060540164            | <b>PGD</b> | REGANCREST RUDOLPH DENA-ET  |
|                           |            | US000017391080              |
| <b>Dam</b>                | <b>MGS</b> | PICSTON SHOTTLE-ET          |
| APPLOUIS SHOTTLE JOSIE-ET |            | GB000000598172              |
| US000062499253            | <b>MGD</b> | APPLOUIS GARTER JOY-ET      |
|                           |            | US000133505719              |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug.      | 537 | Rel.     | 97 %         | <b>SPI</b> | 553          |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | rank       | 321.         |
| <b>3854</b>                 |            |           |    | <b>288</b> |     | <b>1</b> | <b>-0,20</b> | <b>2</b>   | <b>-0,15</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | <b>2,45</b>  |
|                             |            |           |    |            |     |          |              | rank       | 59.          |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 87 | 80,9 | Rel. | 84 % | <b>TYPE</b> | 0,77 |
|                  |             |       |        |       |    |      |      | rank | 215.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | 0,38  |    |    |   |    |    |
| Chest Width           | -0,53 |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | 0,67  |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 1,00  |    |    |   |    |    |
| Front Teat Placement  | 0,44  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | 0,61  |    |    |   |    |    |
| Rear Udder Width      | -0,56 |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 1,74  |    |    |   |    |    |
| Rump Width            | -0,81 |    |    |   |    |    |
| Rear Legs Rear View   | 0,56  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 83,6 | <b>Frame</b>           | <b>0,30</b> |
| 81,5 | <b>Dairy Strength</b>  | <b>0,16</b> |
| 82,9 | <b>Feet &amp; Legs</b> | <b>1,07</b> |
| 78,3 | <b>Udder</b>           | <b>0,60</b> |
|      | <b>SHI</b>             | <b>47,3</b> |
|      | rank                   | 212.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                           |                      |                   |                |
|---------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number  | Birth date        | State Register |
| <b>MADAWASKA AEROSTAR</b> | <b>CA00000383622</b> | <b>25.03.1985</b> | <b>STB-011</b> |
| Country of origin         | CA                   | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.       | Herdbook          | HA             |
|                           |                      | Paternity         | 16.01.1986     |
|                           |                      | CAN               | 383622         |

### Pedigree

|                      |            |                               |
|----------------------|------------|-------------------------------|
| <b>Sire</b>          | <b>PGS</b> | ROUND OAK RAG APPLE ELEVATION |
| HANOVERHILL STARBUCK |            | US000001491007                |
| CA000000352790       | <b>PGD</b> | ANACRES ASTRONAUT IVANHOE     |
|                      |            | US000008018046                |
| <b>Dam</b>           | <b>MGS</b> | CLINTON-CAMP MAJESTY          |
| MADAWASKA SHADY      |            | CA000000333473                |
| CA000003511527       | <b>MGD</b> | MADAWASKA STEPHANIE           |
|                      |            | CA000003152374                |

|                             |             |           |           |       |              |      |             |            |              |
|-----------------------------|-------------|-----------|-----------|-------|--------------|------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017  | Herds     | <b>68</b> | Daug. | <b>333</b>   | Rel. | <b>99 %</b> | <b>SPI</b> | <b>-634</b>  |
| Number controls             | <b>6113</b> | <b>BV</b> |           | Milk  | <b>-78</b>   | Fat  | <b>-5</b>   | %          | <b>-0,05</b> |
|                             |             | Prot.     | <b>-6</b> | %     | <b>-0,09</b> | rank |             | <b>SCS</b> | <b>3,13</b>  |
|                             |             |           |           |       |              | rank |             |            | 561.         |
|                             |             |           |           |       |              |      |             |            | 692.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 16</b> | Daug. | <b>51</b> | 77,5 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,76</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 216.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | -0,27 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | -0,38 |    |    |   |    |    |
| Rear Legs Side View   | -0,49 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    |   |    |    |
| Front Teat Placement  | -0,33 |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | 0,69  |    |    |   |    |    |
| Rear Udder Width      | 0,26  |    |    |   |    |    |
| Central Ligament      | 0,38  |    |    |   |    |    |
| Udder Depth           | -0,19 |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 79,8 | <b>Frame</b>           | <b>0,23</b> |
| 75,0 | <b>Dairy Strength</b>  | <b>1,27</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,44</b> |
| 77,0 | <b>Udder</b>           | <b>0,75</b> |
|      | <b>SHI</b>             | <b>11,4</b> |
|      | rank                   | 329.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TESIL-ET</b>   | <b>SK000046811853</b>             | <b>18.03.1995</b> | <b>TES-005</b> |
| Country of origin | SK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                              |            |                              |
|------------------------------|------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | S-W-D VALIANT                |
| TESK-HOLM VALIANT ROCKIE     |            | US000001650414               |
| US000001841366               | <b>PGD</b> | HOUVALE APOLLO GAIL          |
| VAL-016                      |            | US000008985852               |
| <b>Dam</b>                   | <b>MGS</b> | LEKKER IVANHOE BELL JESSE-ET |
| RUANN JESSE LORELEI 88207-ET |            | US000001842389               |
| US000013350496               | <b>MGD</b> | RUANN GOLDEN NUGGET LASS     |
|                              |            | US000010532369               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.       | <b>144</b> | Rel.       | <b>95 %</b>  | <b>SPI</b> | <b>-1690</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 808.         |
| <b>2936</b>                 |            |           |           | <b>-409</b> |            | <b>-10</b> | <b>0,10</b>  | <b>SCS</b> | <b>3,34</b>  |
|                             |            |           |           |             |            | <b>-13</b> | <b>-0,02</b> | rank       | 966.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 9</b> | Daug. | <b>21</b> | 77,7 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>0,75</b> |
|                  |             |       |               |       |           |      |      | rank        | 217.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,26  |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | 0,87  |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | 1,07  |    |    |   |    |    |
| Rear Legs Side View   | -0,47 |    |    |   |    |    |
| Foot Angle            | 0,62  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | 0,69  |    |    |   |    |    |
| Udder Depth           | 0,29  |    |    |   |    |    |
| Rump Width            | 0,34  |    |    |   |    |    |
| Rear Legs Rear View   | 0,57  |    |    |   |    |    |
| Rear Teat Placement   | -0,33 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

80,6 **Frame** **0,76**

73,5 **Dairy Strength** **0,02**

80,6 **Feet & Legs** **1,33**

77,1 **Udder** **0,19**

**SHI** **-21,1**

rank 432.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>ELECTRIC-ET</b> | <b>DE000662367856</b>             | <b>10.02.2004</b> | <b>ELN-018</b> |
| Country of origin  | DE                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 12.07.2004     |
|                    |                                   | DE                | 04/39095       |

### Pedigree

|                             |            |                       |
|-----------------------------|------------|-----------------------|
| <b>Sire</b>                 | <b>PGS</b> | EMPRISE BELL ELTON    |
| REGANCREST ELTON DURHAM-ET  |            | US000001912270        |
| US000002250783              | <b>PGD</b> | SNOW-N DENISES DELLIA |
|                             |            | US000012895802        |
| <b>Dam</b>                  | <b>MGS</b> | MARCREST ENCORE       |
| BUDJON-JK ENCORE ELECTRA-ET |            | US000002048702        |
| US000121326223              | <b>MGD</b> | KRULL BROKER ELEGANCE |
|                             |            | US000015395294        |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>170</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-1831</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 838.         |
| <b>2856</b>                 |            |           |           | <b>-302</b> |            | <b>-25</b> | <b>-0,27</b> | <b>SCS</b> | <b>3,58</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>-0,06</b> | rank       | 1148.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 8</b> | Daug. | <b>73</b> | 80,1 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>0,74</b> |
|                  |             |       |               |       |           |      |      | rank        | 218.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | -0,12 |    |    |   |    |    |
| Chest Width           | 0,12  |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | 1,25  |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | 0,48  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,55  |    |    |   |    |    |
| Rear Legs Rear View   | -0,76 |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | 0,48  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

83,5 **Frame** **0,97**

79,8 **Dairy Strength** **0,53**

80,5 **Feet & Legs** **-0,11**

78,4 **Udder** **0,39**

**SHI** **-25,7**

rank 443.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                            |                   |                       |
|-------------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                    | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HUN VAJHATI ZSOLDOS MTOTO-ET</b> | <b>HU003220129672</b>      | <b>03.01.2001</b> | <b>PEL-019</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | HU             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 04.04.2001 |
|                   |                | HUN          | 24548/01   |

### Pedigree

|                          |            |                              |         |
|--------------------------|------------|------------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | RONNYBROOK PRELUDE-ET        |         |
| CAROL PRELUDE MTOTO-ET   |            | CA000000392457               | STB-016 |
| IT006001001962           | <b>PGD</b> | BLACKSTAR BETSY-ET           |         |
|                          |            | US000014459466               |         |
| <b>Dam</b>               | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |         |
| SUMMERSHADE ICEBRAK LUKE |            | US000002071864               | CLE-005 |
| CA000006202511           | <b>MGD</b> | SUMMERSHADE ILENE SCOT-ET    |         |
|                          |            | CA000005619306               |         |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug. | 77  | Rel.  | 91 %  | <b>SPI</b> | 716        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1559                        |            |           |    | 225   | 9   | -0,00 | 2     | -0,10      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 1168.      |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 8 | Daug. | 26 | 78,5 | Rel. | 68 % | <b>TYPE</b> | 0,74 |
|                  |             |       |       |       |    |      |      |      | rank        | 219. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | 0,53  |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | -0,15 |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | -0,73 |    |    |   |    |    |
| Foot Angle            | 0,61  |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | 0,50  |    |    |   |    |    |
| Teat Length           | -0,10 |    |    |   |    |    |
| Rear Udder Height     | -0,37 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | -0,53 |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,12 |    |    |   |    |    |
| Rear Teat Placement   | 0,71  |    |    |   |    |    |
| Locomotion            | 0,66  |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 81,3 | <b>Frame</b> | 0,47 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 79,5 | <b>Dairy Strength</b> | 1,47 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 80,5 | <b>Feet &amp; Legs</b> | 1,91 |
|------|------------------------|------|

|      |              |       |
|------|--------------|-------|
| 75,5 | <b>Udder</b> | -0,34 |
|------|--------------|-------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 51,1 |
|--|------------|------|

rank 202.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|  |                            |                   |                       |
|--|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>D&amp;D POT ARROW PAEDER-RED-ET</b> | <b>US000066086571</b>      | <b>28.06.2009</b> | <b>JRD-003</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | US                                | <b>Breed</b>     | R100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 21.05.2010 |
|                          |                                   | <b>US</b>        | M10065464  |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | JA-BOB JORDAN-RED-ET       |
| SURE-VIEW ARROW-RED-ET     |            | US000017378279             |
| US000134742751             | <b>PGD</b> | SURE-VIEW RUDLF ASPIRIN-ET |
|                            |            | US000017314216             |
| <b>Dam</b>                 | <b>MGS</b> | KEYSTONE POTTER            |
| MI-RO-ZE POTTER PEBBLES-ET |            | US000128367894             |
| US000052761814             | <b>MGD</b> | MI-RO-ZE RUDOLPH MURPHY    |
|                            |            | US000130570639             |

|                             |            |              |           |              |           |             |             |             |              |
|-----------------------------|------------|--------------|-----------|--------------|-----------|-------------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>10</b> | <b>Daug.</b> | <b>96</b> | <b>Rel.</b> | <b>87 %</b> | <b>SPI</b>  | <b>-1455</b> |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |           | <b>Fat</b>  |             | <b>rank</b> | 749.         |
| <b>904</b>                  |            |              |           | <b>-435</b>  |           | <b>-15</b>  | <b>0,02</b> | <b>SCS</b>  | <b>2,55</b>  |
|                             |            |              |           |              |           | <b>-7</b>   | <b>0,15</b> | <b>rank</b> | 98.          |

|                  |             |              |              |              |           |             |             |             |             |             |
|------------------|-------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>6 / 2</b> | <b>Daug.</b> | <b>28</b> | <b>80,9</b> | <b>Rel.</b> | <b>64 %</b> | <b>TYPE</b> | <b>0,74</b> |
|                  |             |              |              |              |           |             |             | <b>rank</b> | 220.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,96  |    |    |   |    |    |
| Angularity            | -0,77 |    |    |   |    |    |
| Chest Width           | 0,36  |    |    |   |    |    |
| Body Depth            | -0,32 |    |    |   |    |    |
| Rump Angle            | 0,67  |    |    |   |    |    |
| Rear Legs Side View   | -0,60 |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | 1,26  |    |    |   |    |    |
| Front Teat Placement  | 0,65  |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | -0,60 |    |    |   |    |    |
| Udder Depth           | 1,76  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,00 |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,51  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 86,1 | <b>Frame</b> | <b>1,35</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,1 | <b>Dairy Strength</b> | <b>-1,51</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,7 | <b>Feet &amp; Legs</b> | <b>0,62</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,3 | <b>Udder</b> | <b>0,36</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-14,5</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>EXPLOZ</b>    | <b>FR008562703856</b> | <b>25.01.2009</b> | <b>BW-043</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 08.07.2010 |
|                   |                                   | FR           | F/S 527006 |

### Pedigree

|                |            |                         |
|----------------|------------|-------------------------|
| <b>Sire</b>    | <b>PGS</b> | SILDAHL BW DUTCH BOY-ET |
| TARTARE        |            | US000017058140          |
| FR003523841620 | <b>PGD</b> | ROMANCE 64              |
|                |            | FR003523841564          |
| <b>Dam</b>     | <b>MGS</b> | PICSTON SHOTTLE-ET      |
| BELLE          |            | GB000000598172          |
| FR008562703528 | <b>MGD</b> | ULTIME                  |
|                |            | FR008562703111          |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 95  | Rel. | 90 %  | <b>SPI</b> | 617        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1630</b>                 |            |           |    | -166  | 15  | 0,40 | 7     | 0,27       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 313.       |
|                             |            |           |    |       |     |      |       |            | 813.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 4 | Daug. | 52 | 79,7 | Rel. | 77 % | <b>TYPE</b> | 0,73 |
|                  |             |       |       |       |    |      |      |      | rank        | 221. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | 0,35  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | 0,74  |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,44 |    |    |   |    |    |
| Teat Length           | -0,42 |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | 0,29  |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | -0,57 |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | -0,40 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 83,3 | <b>Frame</b>           | -0,32 |
| 80,7 | <b>Dairy Strength</b>  | 0,34  |
| 80,8 | <b>Feet &amp; Legs</b> | 1,05  |
| 76,9 | <b>Udder</b>           | 0,81  |
|      | <b>SHI</b>             | 47,8  |
|      | rank                   | 211.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BLOK-BROS LOUIS-ET</b> | <b>US000017085075</b>      | <b>07.06.1995</b> | <b>MNL-002</b>        |
| Country of origin         | US                         | <b>Breed</b>      | H100                  |
| Distributor               | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                           |                            | Paternity         | 18.10.1996            |
|                           |                            | USA               | 381027                |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET  |            | US000001858047              |
| US000002119526            | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                           |            | US000012593031              |
| <b>Dam</b>                | <b>MGS</b> | TO-MAR BLACKSTAR-ET         |
| BLOK-BROS BS VI LONNIE-ET |            | US000001929410              |
| US000014050266            | <b>MGD</b> | TWIN-OAKES BELL VICKI       |
|                           |            | US000011539078              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 11 | Daug. | 117 | Rel. | 94 %  | <b>SPI</b> | -41        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 2363                        |            |           |    | -122  | 7   | 0,21 | -1    | 0,06       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1167.      |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 16 | 78,5 | Rel. | 59 % | <b>TYPE</b> | 0,73 |
|                  |             |       |       |       |    |      |      |      | rank        | 222. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,04  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | -0,29 |    |    |   |    |    |
| Body Depth            | 0,81  |    |    |   |    |    |
| Rump Angle            | -0,63 |    |    |   |    |    |
| Rear Legs Side View   | 0,11  |    |    |   |    |    |
| Foot Angle            | 0,43  |    |    |   |    |    |
| Fore Udder Attachment | -0,15 |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 0,44  |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | 0,12  |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |      |
|------|------------------------|------|
| 82,0 | <b>Frame</b>           | 0,22 |
| 78,2 | <b>Dairy Strength</b>  | 0,79 |
| 80,7 | <b>Feet &amp; Legs</b> | 1,02 |
| 75,9 | <b>Udder</b>           | 0,21 |
|      | <b>SHI</b>             | 27,9 |
|      | rank                   | ...  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TEXUS</b>      | <b>DE000348555246</b> | <b>05.03.2005</b> | <b>SOM-014</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 26.05.2005     |
|                   |                       | DE                | 05/37616       |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | MAUGHLIN STORM-ET      |
| HARTLINE TITANIC-ET |            | CA000005457798         |
| US000123066734      | <b>PGD</b> | DOCO LEADMAN TENACIOUS |
| SOM-007             |            | US000014734618         |
| <b>Dam</b>          | <b>MGS</b> | BONATUS                |
| PENNY 16            |            | DE001021098657         |
| DE000342409876      | <b>MGD</b> | PARADE                 |
|                     |            | DE001021207126         |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 26 | Daug. | 88  | Rel. | 92 %  | <b>SPI</b> | -1205      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1452                        |            |           |    | -430  | -4  | 0,25 | -8    | 0,12       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 692.       |
|                             |            |           |    |       |     |      |       |            | 72.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 11 | 78,2 | Rel. | 53 % | <b>TYPE</b> | 0,73 |
|                  |             |       |       |       |    |      |      |      | rank        | 223. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,05  |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | -0,87 |    |    |   |    |    |
| Body Depth            | -0,55 |    |    |   |    |    |
| Rump Angle            | -0,30 |    |    |   |    |    |
| Rear Legs Side View   | -0,53 |    |    |   |    |    |
| Foot Angle            | 0,63  |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | 0,67  |    |    |   |    |    |
| Teat Length           | 0,12  |    |    |   |    |    |
| Rear Udder Height     | 0,83  |    |    |   |    |    |
| Rear Udder Width      | 0,28  |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,27  |    |    |   |    |    |
| Rump Width            | -0,42 |    |    |   |    |    |
| Rear Legs Rear View   | 0,92  |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,8 | <b>Frame</b>           | 0,41  |
| 77,5 | <b>Dairy Strength</b>  | -0,46 |
| 78,8 | <b>Feet &amp; Legs</b> | 1,36  |
| 75,7 | <b>Udder</b>           | 0,52  |
|      | <b>SHI</b>             | -7,3  |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>TOMLU OMAN DOTSON-ET</b> | <b>US000135691067</b>             | <b>19.06.2004</b> | <b>MED-017</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 20.01.2005     |
|                             |                                   | US                | HU2005002792   |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | REGANCREST ELTON DURHAM-ET  |
| TOMLU DURHAM DOT         |            | US000002250783              |
| US000129764377           | <b>MGD</b> | TOMLU STORM DOTTIE          |
|                          |            | US000018043666              |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>14</b> | Daug.       | <b>189</b> | Rel.      | <b>96 %</b>  | <b>SPI</b> | <b>4755</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 6.          |
| <b>3687</b>                 |            |           |           | <b>1333</b> |            | <b>22</b> | <b>-0,46</b> | <b>SCS</b> | <b>3,28</b> |
|                             |            |           |           |             |            | <b>36</b> | <b>-0,10</b> | rank       | 898.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>33 / 5</b> | Daug. | <b>145</b> | 80,9 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,72</b> |
|                  |             |       |               |       |            |      |      | rank        | 224.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | 0,13  |    |    |   |    |    |
| Rear Legs Side View   | -0,95 |    |    |   |    |    |
| Foot Angle            | 0,66  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | 0,07  |    |    |   |    |    |
| Rear Udder Height     | -0,66 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | -0,19 |    |    |   |    |    |
| Rump Width            | 0,17  |    |    |   |    |    |
| Rear Legs Rear View   | 0,28  |    |    |   |    |    |
| Rear Teat Placement   | -0,46 |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,7 | <b>Frame</b>           | <b>0,88</b>  |
| 80,4 | <b>Dairy Strength</b>  | <b>0,45</b>  |
| 84,0 | <b>Feet &amp; Legs</b> | <b>2,14</b>  |
| 78,2 | <b>Udder</b>           | <b>-0,52</b> |
|      | <b>SHI</b>             | <b>172,3</b> |
|      | rank                   | 14.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MEDIANO-ET</b> | <b>DE000000668765</b>             | <b>28.08.1998</b> | <b>MEO-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.11.1998     |
|                   |                                   | DEU               | 98/12636       |

### Pedigree

|                       |                |                              |
|-----------------------|----------------|------------------------------|
| <b>Sire</b>           | <b>PGS</b>     | OSDEL-ENDEAVOR BOVA CUBBY    |
| JO-WAL CUBBY METRO-ET | US000001986164 | BA-002                       |
| US000002191266        | <b>PGD</b>     | JO-WAL CLEITUS MACEY-ET      |
|                       | US000013463545 |                              |
| <b>Dam</b>            | <b>MGS</b>     | NORRIELAKE CLEITUS LUKE-TWIN |
| SNICKERS 52           | US000002071864 | CLE-005                      |
| DE000576396525        | <b>MGD</b>     | STEFF 42                     |
|                       | DE000728046209 |                              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug. | 90  | Rel. | 92 %  | <b>SPI</b> | -590       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1779                        |            |           |    | -191  | -0  | 0,13 | -5    | 0,01       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 255.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 13 | Daug. | 29 | 78,1 | Rel. | 68 % | <b>TYPE</b> | 0,72 |
|                  |             |       |         |       |    |      |      |      | rank        | 225. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,27  |    |    |   |    |    |
| Angularity            | -0,34 |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | -0,41 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | 0,13  |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | -0,70 |    |    |   |    |    |
| Udder Depth           | 0,77  |    |    |   |    |    |
| Rump Width            | -0,10 |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

80,5 **Frame** 0,62

76,5 **Dairy Strength** -0,22

79,5 **Feet & Legs** 1,59

76,8 **Udder** -0,12

**SHI** 11,0

rank 332.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>DIAMOND-OAK FLINT-ET</b> | <b>US000132967761</b>             | <b>20.04.2002</b> | <b>EMY-008</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 22.03.2006     |
|                             |                                   | US                | 2514491        |

### Pedigree

|                         |            |                        |
|-------------------------|------------|------------------------|
| <b>Sire</b>             | <b>PGS</b> | MJR BLACKSTAR EMORY-ET |
| FUSTEAD EMORY BLITZ-ET  |            | US000002114601         |
| US000017013604          | <b>PGD</b> | FUSTEAD TESK BEV       |
|                         |            | US000014947858         |
| <b>Dam</b>              | <b>MGS</b> | STARTMORE RUDOLPH-ET   |
| ASKEW RUDOLPH AMANDA-ET |            | CA000005470579         |
| US000018058458          | <b>MGD</b> | DIAMONT-OAKMAFTON-ET   |
|                         |            | US000015112160         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug. | 306 | Rel.  | 97 % | <b>SPI</b> | -152        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| <b>5907</b>                 |            |           |    | 245   | -3  | -0,23 | -6   | -0,30      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 459.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 459.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 38 / 11 | Daug. | 123 | 80,1 | Rel. | 90 % | <b>TYPE</b> | 0,72 |
|                  |             |       |         |       |     |      |      |      | rank        | 226. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,92  |    |    |   |    |    |
| Angularity            | 0,51  |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | -0,16 |    |    |   |    |    |
| Rump Angle            | 0,71  |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | 0,19  |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | -0,75 |    |    |   |    |    |
| Teat Length           | -0,52 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | -0,28 |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | -0,69 |    |    |   |    |    |
| Rear Legs Rear View   | 1,11  |    |    |   |    |    |
| Rear Teat Placement   | -0,14 |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,8 | <b>Frame</b> | <b>0,72</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,6 | <b>Dairy Strength</b> | <b>0,31</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 81,3 | <b>Feet &amp; Legs</b> | <b>0,42</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,5 | <b>Udder</b> | <b>0,31</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>24,0</b> |
|--|------------|-------------|

rank 275.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                       |
|------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>COGENT TWIST-ET</b> | <b>GB000000631308</b>             | <b>19.09.2005</b> | <b>PEL-051</b>        |
| Country of origin      | GB                                | <b>Breed</b>      | H100                  |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                        |                                   | Paternity         | 31.01.2006            |
|                        |                                   | NL                | 137421                |

### Pedigree

|                    |            |                          |
|--------------------|------------|--------------------------|
| <b>Sire</b>        | <b>PGS</b> | CAROL PRELUDE MTOTO-ET   |
| PICSTON SHOTTLE-ET |            | IT006001001962           |
| GB000000598172     | <b>PGD</b> | CONDON AERO SHARON       |
| PEL-033            |            | CA000005373153           |
| <b>Dam</b>         | <b>MGS</b> | LOOKING MAJOR-ET         |
| COGENT MAJOR TEX   |            | NL000175038880           |
| GB000010263512     | <b>MGD</b> | COGENT WINCHESTER TEX-ET |
|                    |            | GB000009798897           |

|                             |            |           |    |            |           |             |           |             |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 21 | Daug.      | 409       | Rel.        | 97 %      | <b>SPI</b>  | 4844        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %           | Prot.     | %           | rank        |
| <b>4898</b>                 |            |           |    | <b>689</b> | <b>61</b> | <b>0,57</b> | <b>35</b> | <b>0,26</b> | <b>4.</b>   |
|                             |            |           |    |            |           |             |           | <b>SCS</b>  | <b>2,73</b> |
|                             |            |           |    |            |           |             |           | rank        | 211.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 29 / 9 | Daug. | 182 | 81,6 | Rel. | 92 % | <b>TYPE</b> | 0,72 |
|                  |             |       |        |       |     |      |      |      | rank        | 227. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,02  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,03  |    |    |   |    |    |
| Body Depth            | 0,28  |    |    |   |    |    |
| Rump Angle            | 2,10  |    |    |   |    |    |
| Rear Legs Side View   | 0,23  |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,48  |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | 0,70  |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | 0,70  |    |    |   |    |    |
| Rear Legs Rear View   | -0,56 |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | -0,02 |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,9 | <b>Frame</b>           | <b>1,20</b>  |
| 81,5 | <b>Dairy Strength</b>  | <b>0,12</b>  |
| 82,5 | <b>Feet &amp; Legs</b> | <b>-0,47</b> |
| 79,1 | <b>Udder</b>           | <b>0,78</b>  |
|      | <b>SHI</b>             | <b>174,7</b> |
|      | rank                   | 13.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>DKR EMILE</b>  | <b>FR001445852771</b>             | <b>14.01.2011</b> | <b>AML-005</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 07.11.2011     |
|                   |                                   | FR                | 1445852771     |

### Pedigree

|                             |            |                         |
|-----------------------------|------------|-------------------------|
| <b>Sire</b>                 | <b>PGS</b> | END-ROAD PVF BOLIVER-ET |
| CHARLESDALE SUPERSTITION-ET |            | US000123586443          |
| US000062065919              | <b>PGD</b> | CHARLESDALE SWEET STAR  |
| AML-004                     |            | US000133701030          |
| <b>Dam</b>                  | <b>MGS</b> | PICSTON SHOTTLE-ET      |
| WABASH-WAY EMILYANN-ET      |            | GB000000598172          |
| US000137044405              | <b>MGD</b> | CROCKETT-ACRES ELITA-ET |
|                             |            | US000136012191          |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.      | <b>495</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>1909</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 113.        |
| <b>5464</b>                 |            |           |           | <b>698</b> |            | <b>-8</b> | <b>-0,58</b> | <b>SCS</b> | <b>2,63</b> |
|                             |            |           |           |            |            | <b>18</b> | <b>-0,08</b> | rank       | 141.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 8</b> | Daug. | <b>93</b> | 81,8 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>0,71</b> |
|                  |             |       |               |       |           |      |      | rank        | 228.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | 0,53  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | -0,00 |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | 0,52  |    |    |   |    |    |
| Front Teat Placement  | 0,83  |    |    |   |    |    |
| Teat Length           | -0,14 |    |    |   |    |    |
| Rear Udder Height     | 0,38  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,43  |    |    |   |    |    |
| Udder Depth           | 1,26  |    |    |   |    |    |
| Rump Width            | 0,06  |    |    |   |    |    |
| Rear Legs Rear View   | -0,56 |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

86,0 **Frame** **0,77**

82,2 **Dairy Strength** **0,68**

82,4 **Feet & Legs** **-1,10**

79,2 **Udder** **0,85**

**SHI** **86,1**

rank 112.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ARTHUS</b>    | <b>FR002941260237</b>      | <b>21.09.2005</b> | <b>ELN-023</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | FR             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.02.2006 |
|                   |                | FR           | F/S324418  |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | REGANCREST ELTON DURHAM-ET  |
| REGANCREST-LH MODEST-ET |            | US000002250783              |
| US000207124561          | <b>PGD</b> | MEADOW BRIDGE AERO MISSY-ET |
| ELN-010                 |            | CA000005940575              |
| <b>Dam</b>              | <b>MGS</b> | JOCKO BESN                  |
| STYLEBESNE              |            | FR005694028588              |
| FR002941264385          | <b>MGD</b> | PARISIENNE                  |
|                         |            | FR002941263979              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 16 | Daug. | 83  | Rel. | 92 %  | <b>SPI</b> | -302       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1606                        |            |           |    | -82   | -2  | 0,01 | -2    | 0,01       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 538.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 10 | 79,0 | Rel. | 49 % | <b>TYPE</b> | 0,71 |
|                  |             |       |       |       |    |      |      |      | rank        | 229. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,01  |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | -0,18 |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | -0,36 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,20 |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | 0,19  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,36  |    |    |   |    |    |
| Udder Depth           | 0,58  |    |    |   |    |    |
| Rump Width            | 0,51  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,41  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,42 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 84,4 | <b>Frame</b> | 1,33 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 80,0 | <b>Dairy Strength</b> | 0,81 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 79,2 | <b>Feet &amp; Legs</b> | 0,22 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 75,8 | <b>Udder</b> | 0,05 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 19,3 |
|--|------------|------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>EMERALD-ACR-SA T-VISION-ET</b> | <b>US000129655028</b>             | <b>19.01.2000</b> | <b>ELN-003</b> |
| Country of origin                 | US                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 07.09.2000     |
|                                   |                                   | USA               | IG264123A      |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | EMPRISE BELL ELTON       |
| WA-DEL CONVINCER-ET    |            | US000001912270           |
| US000002249055         | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET  |
| ELN-002                |            | US000013372706           |
| <b>Dam</b>             | <b>MGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| EMERALD-ACR-SA TOOT-ET |            | US000002119526           |
| US000017077105         | <b>MGD</b> | EMERALD-ACR-SA TULIP-ET  |
|                        |            | US000014738810           |

|                             |            |           |           |            |           |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-----------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.      | <b>90</b> | Rel.     | <b>92 %</b>  | <b>SPI</b> | <b>484</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat      | %            | Prot.      | %            |
| <b>1780</b>                 |            |           |           | <b>194</b> |           | <b>4</b> | <b>-0,07</b> | <b>2</b>   | <b>-0,10</b> |
|                             |            |           |           |            |           |          |              | <b>SCS</b> | <b>3,61</b>  |
|                             |            |           |           |            |           |          |              | rank       | 1163.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 12</b> | Daug. | <b>31</b> | 78,3 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>0,71</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 230.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | 0,64  |    |    |   |    |    |
| Chest Width           | -0,61 |    |    |   |    |    |
| Body Depth            | -0,42 |    |    |   |    |    |
| Rump Angle            | -0,87 |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | 0,00  |    |    |   |    |    |
| Front Teat Placement  | 0,68  |    |    |   |    |    |
| Teat Length           | -0,57 |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,32  |    |    |   |    |    |
| Udder Depth           | 0,36  |    |    |   |    |    |
| Rump Width            | -0,79 |    |    |   |    |    |
| Rear Legs Rear View   | 0,07  |    |    |   |    |    |
| Rear Teat Placement   | 1,73  |    |    |   |    |    |
| Locomotion            | 0,33  |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

daught. average

80,5 **Frame** **-0,17**

78,7 **Dairy Strength** **0,78**

78,4 **Feet & Legs** **1,09**

76,8 **Udder** **0,63**

**SHI** **42,8**

rank 223.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>SIEMERS LEADING DICTATOR-ET</b> | <b>US000002171645</b>             | <b>12.06.1991</b> | <b>LAD-011</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 25.11.1991     |
|                                    |                                   | USA               | IG162595C      |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | CARLIN-M IVANHOE BELL   |
| BUDJON BELL DEMAND         |            | US000001667366          |
| US0000011784688            | <b>MGD</b> | BUDJON SEXATION ANGIE   |
|                            |            | US000010920264          |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>85</b> | Daug.      | <b>892</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>1465</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 159.        |
| <b>18647</b>                |            |           |           | <b>315</b> |            | <b>14</b> | <b>0,02</b> | <b>SCS</b> | <b>3,61</b> |
|                             |            |           |           |            |            | <b>10</b> | <b>0,00</b> | rank       | 1162.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>76 / 30</b> | Daug. | <b>414</b> | 77,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,70</b> |
|                  |             |       |                |       |            |      |      | rank        | 231.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,01  |    |    |   |    |    |
| Angularity            | 0,57  |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | -0,36 |    |    |   |    |    |
| Rump Angle            | 0,63  |    |    |   |    |    |
| Rear Legs Side View   | -0,39 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,16  |    |    |   |    |    |
| Front Teat Placement  | 0,14  |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | 0,11  |    |    |   |    |    |
| Rear Udder Width      | -0,51 |    |    |   |    |    |
| Central Ligament      | 0,79  |    |    |   |    |    |
| Udder Depth           | 1,21  |    |    |   |    |    |
| Rump Width            | 0,92  |    |    |   |    |    |
| Rear Legs Rear View   | -0,51 |    |    |   |    |    |
| Rear Teat Placement   | 0,34  |    |    |   |    |    |
| Locomotion            | -0,52 |    |    |   |    |    |
| Body Condition        | -0,27 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,9 | <b>Frame</b>           | <b>1,10</b>  |
| 76,4 | <b>Dairy Strength</b>  | <b>1,17</b>  |
| 77,0 | <b>Feet &amp; Legs</b> | <b>-0,77</b> |
| 76,9 | <b>Udder</b>           | <b>0,38</b>  |
|      | <b>SHI</b>             | <b>72,3</b>  |
|      | rank                   | 144.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>BONS-HOLSTEINS BLICKPOINT</b> | <b>NL000434991309</b>             | <b>16.06.2006</b> | <b>LU-032</b>  |
| Country of origin                | NL                                | <b>Breed</b>      | R100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 08.11.2006     |
|                                  |                                   | NL                | 149129         |

### Pedigree

|                          |            |                          |
|--------------------------|------------|--------------------------|
| <b>Sire</b>              | <b>PGS</b> | LENTINI-ET               |
| LICHTBLICK-RED-ET        |            | DE001012337003           |
| DE000345785578           | <b>PGD</b> | DITTMER JUBILANT OLORE   |
|                          |            | DE001021588259           |
| <b>Dam</b>               | <b>MGS</b> | INDIANHEAD RED-MARKER-ET |
| BONS-HOLSTEINS AALTJE 51 |            | US000002284915           |
| NL000343162016           | <b>MGD</b> | BONS-HOLSTEINS AALTJE 46 |
|                          |            | NL000215358912           |

|                             |            |           |    |       |     |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug. | 112 | Rel. | 93 %  | <b>SPI</b> | -2488       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %           |
| <b>2034</b>                 |            |           |    | -553  |     | -25  | -0,09 | -16        | <b>0,02</b> |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | <b>3,30</b> |
|                             |            |           |    |       |     |      |       | rank       | 978.        |
|                             |            |           |    |       |     |      |       | rank       | 918.        |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 11 | 78,8 | Rel. | 51 % | <b>TYPE</b> | <b>0,69</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 232.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,73  |    |    |   |    |    |
| Angularity            | 0,19  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | -0,23 |    |    |   |    |    |
| Rump Angle            | -0,84 |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | 0,46  |    |    |   |    |    |
| Fore Udder Attachment | -0,38 |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | 0,11  |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | 0,55  |    |    |   |    |    |
| Rump Width            | 0,53  |    |    |   |    |    |
| Rear Legs Rear View   | 0,72  |    |    |   |    |    |
| Rear Teat Placement   | 0,10  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,0 | <b>Frame</b> | <b>0,86</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,8 | <b>Dairy Strength</b> | <b>0,40</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,1 | <b>Feet &amp; Legs</b> | <b>0,53</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 75,9 | <b>Udder</b> | <b>0,31</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-47,3</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>LEXVOLD DEMAND HOMER-ET</b> | <b>US000050453235</b>             | <b>19.06.1999</b> | <b>DED-002</b> |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 30.11.1999     |
|                                |                                   | USA               | IG256585A      |

### Pedigree

|                             |                |                                |
|-----------------------------|----------------|--------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN     |
| PAULO-BRO RTL DEMAND TCG-ET | US000001983348 | TDN-004                        |
| US000002193272              | <b>PGD</b>     | PAULO-BRO MARK DELIGHT 3206-ET |
|                             | US000012798676 |                                |
| <b>Dam</b>                  | <b>MGS</b>     | MAIZEFIELD BELLWOOD-ET         |
| LEXVOLD BELLWOOD HO-HO-ET   | US000002103297 | MEW-004                        |
| US000015971369              | <b>MGD</b>     | LEXVOLD BLACKSTAR POPPYB-ET    |
|                             | US000014250458 |                                |

|                             |            |           |    |            |           |             |           |              |            |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 39 | Daug.      | 101       | Rel.        | 93 %      | <b>SPI</b>   | 2153       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %           | Prot.     | %            | rank       |
| <b>1973</b>                 |            |           |    | <b>559</b> | <b>23</b> | <b>0,02</b> | <b>12</b> | <b>-0,12</b> | <b>SCS</b> |
|                             |            |           |    |            |           |             |           |              | rank       |
|                             |            |           |    |            |           |             |           |              | 400.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 10 | Daug. | 48 | 77,9 | Rel. | 78 % | <b>TYPE</b> | 0,69 |
|                  |             |       |         |       |    |      |      |      | rank        | 233. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | 0,66  |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | -0,02 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | -0,51 |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | 0,98  |    |    |   |    |    |
| Rear Udder Height     | 0,37  |    |    |   |    |    |
| Rear Udder Width      | 0,40  |    |    |   |    |    |
| Central Ligament      | 0,41  |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | -0,31 |    |    |   |    |    |
| Rear Legs Rear View   | -0,51 |    |    |   |    |    |
| Rear Teat Placement   | -0,11 |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,57 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 79,3 | <b>Frame</b>           | <b>0,05</b> |
| 77,8 | <b>Dairy Strength</b>  | <b>1,13</b> |
| 77,8 | <b>Feet &amp; Legs</b> | <b>0,14</b> |
| 77,1 | <b>Udder</b>           | <b>0,63</b> |
|      | <b>SHI</b>             | <b>92,6</b> |
|      | rank                   | 98.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>CHARTROISE STEFAN</b> | <b>DE00000669392</b>              | <b>09.09.1999</b> | <b>DEC-001</b> |
| Country of origin        | NL                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 25.08.2000     |
|                          |                                   | NLD               | 247484357      |

### Pedigree

|                     |            |                              |
|---------------------|------------|------------------------------|
| <b>Sire</b>         | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| PEN-COL DECISION-ET |            | US000001874634               |
| US000002217212      | <b>PGD</b> | PEN-COL BLACKSTAR DOLLY-ET   |
|                     |            | US000014299930               |
| <b>Dam</b>          | <b>MGS</b> | ETAZON JIMTOWN               |
| STEFFY              |            | NL000960250666               |
| NL000180978609      | <b>MGD</b> | TIDY-BROOK SPICY-ET          |
|                     |            | US000015352615               |

|                             |            |           |           |            |            |              |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>43</b> | Daug.      | <b>104</b> | Rel.         | <b>94 %</b> | <b>SPI</b> | <b>459</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.        |             | rank       | 338.        |
| <b>2236</b>                 |            |           |           | <b>166</b> | <b>-18</b> | <b>-0,46</b> | <b>11</b>   | <b>SCS</b> | <b>3,33</b> |
|                             |            |           |           |            |            |              |             | rank       | 954.        |

|                  |             |       |                |       |           |             |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|-------------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 13</b> | Daug. | <b>36</b> | <b>78,3</b> | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>0,69</b> |
|                  |             |       |                |       |           |             |      | rank        | 234.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,56 |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -1,50 |    |    |   |    |    |
| Rear Legs Side View   | -0,05 |    |    |   |    |    |
| Foot Angle            | -0,32 |    |    |   |    |    |
| Fore Udder Attachment | 0,26  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 0,83  |    |    |   |    |    |
| Rear Udder Height     | 0,59  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,60 |    |    |   |    |    |
| Udder Depth           | 0,14  |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | 0,30  |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

79,1 **Frame** **-0,53**

79,3 **Dairy Strength** **1,64**

77,8 **Feet & Legs** **0,22**

77,5 **Udder** **0,78**

**SHI** **41,5**

rank 229.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>LADYS-MANOR AURORA</b> | <b>US000137002937</b> | <b>17.10.2005</b> | <b>GAD-004</b> |
| Country of origin         | US                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 17.08.2006     |
|                           |                       | CA                | DC167897       |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | SHOREMAR JAMES             |
| BRAEDALE GOLDWYN-ET    |            | CA000005902195             |
| CA000010705608         | <b>PGD</b> | BRAEDALE BALER TWINE-ET    |
| GAD-002                |            | CA000006860888             |
| <b>Dam</b>             | <b>MGS</b> | CALBRETT-I H H CHAMPION-ET |
| LADYS-MANOR AURELIA-ET |            | CA000006961162             |
| US000061521961         | <b>MGD</b> | LADYS-MANOR AUTUMN         |
|                        |            | US000060093782             |
|                        |            | RUH-002                    |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>665</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-524</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 536.        |
| <b>11858</b>                |            |           |           | <b>-251</b> |            | <b>4</b>  | <b>0,25</b> | <b>SCS</b> | <b>2,80</b> |
|                             |            |           |           |             |            | <b>-4</b> | <b>0,08</b> | rank       | 293.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>32 / 8</b> | Daug. | <b>195</b> | 80,1 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,69</b> |
|                  |             |       |               |       |            |      |      | rank        | 235.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,35  |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,34 |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | 0,21  |    |    |   |    |    |
| Teat Length           | -0,68 |    |    |   |    |    |
| Rear Udder Height     | 0,84  |    |    |   |    |    |
| Rear Udder Width      | 0,43  |    |    |   |    |    |
| Central Ligament      | 0,18  |    |    |   |    |    |
| Udder Depth           | 0,76  |    |    |   |    |    |
| Rump Width            | -0,71 |    |    |   |    |    |
| Rear Legs Rear View   | -0,00 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,53 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,0 | <b>Frame</b>           | <b>-0,07</b> |
| 80,9 | <b>Dairy Strength</b>  | <b>0,35</b>  |
| 81,0 | <b>Feet &amp; Legs</b> | <b>0,35</b>  |
| 77,8 | <b>Udder</b>           | <b>1,01</b>  |
|      | <b>SHI</b>             | <b>11,6</b>  |
|      | rank                   | 327.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>UFM-DUBS OLEGANT-ET</b> | <b>US000062658255</b>             | <b>22.08.2006</b> | <b>BW-049</b>  |
| Country of origin          | US                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 23.04.2007     |
|                            |                                   | US                | M07026152      |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| HONEYCREST ELEGANT-ET |            | US000002290977              |
| US000130629351        | <b>PGD</b> | HONEYCREST PATRON TANYA-ET  |
|                       |            | US000018001494              |
| <b>Dam</b>            | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |
| UFM-DUBS OROY         |            | US000122358313              |
| US000135675834        | <b>MGD</b> | UFM-DUBS EROY               |
|                       |            | US000133313891              |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.      | <b>1745</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2827</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 47.         |
| <b>23022</b>                |            |           |           | <b>791</b> |             | <b>11</b> | <b>-0,33</b> | <b>SCS</b> | <b>2,53</b> |
|                             |            |           |           |            |             | <b>22</b> | <b>-0,05</b> | rank       | 87.         |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>156 / 27</b> | Daug. | <b>848</b> | 81,5 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>0,68</b> |
|                  |             |       |                 |       |            |      |      | rank        | 236.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,66  |    |    |   |    |    |
| Angularity            | 0,95  |    |    |   |    |    |
| Chest Width           | -0,88 |    |    |   |    |    |
| Body Depth            | -1,11 |    |    |   |    |    |
| Rump Angle            | 1,78  |    |    |   |    |    |
| Rear Legs Side View   | -0,02 |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | 0,53  |    |    |   |    |    |
| Front Teat Placement  | 0,66  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | 0,96  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | 1,94  |    |    |   |    |    |
| Rump Width            | -0,81 |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,5 | <b>Frame</b>           | <b>1,01</b>  |
| 81,2 | <b>Dairy Strength</b>  | <b>-0,51</b> |
| 82,5 | <b>Feet &amp; Legs</b> | <b>-0,11</b> |
| 79,1 | <b>Udder</b>           | <b>0,59</b>  |
|      | <b>SHI</b>             | <b>112,6</b> |
|      | rank                   | 68.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                       |
|-----------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>            | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BY-MY BLITZ CADET-ET</b> | <b>US000060182858</b>             | <b>04.05.2002</b> | <b>EMY-009</b>        |
| Country of origin           | US                                | <b>Breed</b>      | H100                  |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                             |                                   | Paternity         | 16.04.2007            |
|                             |                                   | US                | M07025753             |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | MJR BLACKSTAR EMORY-ET   |
| FUSTEAD EMORY BLITZ-ET |            | US000002114601           |
| US000017013604         | <b>PGD</b> | FUSTEAD TESK BEV         |
|                        |            | US000014947858           |
| <b>Dam</b>             | <b>MGS</b> | KENJO PRESCOTT           |
| BY-MY PRESCOTT CASSIE  |            | US000002140171           |
| US000017206003         | <b>MGD</b> | BY-MY BLACKSTAR SAMANTHA |
|                        |            | US000014295778           |

|                             |            |           |    |            |          |              |          |              |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 771      | Rel.         | 99 %     | <b>SPI</b>   | 1170        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat      | %            | Prot.    | %            | rank        |
| <b>15846</b>                |            |           |    | <b>573</b> | <b>4</b> | <b>-0,32</b> | <b>4</b> | <b>-0,27</b> | <b>SCS</b>  |
|                             |            |           |    |            |          |              |          |              | rank        |
|                             |            |           |    |            |          |              |          |              | 213.        |
|                             |            |           |    |            |          |              |          |              | <b>2,48</b> |
|                             |            |           |    |            |          |              |          |              | rank        |
|                             |            |           |    |            |          |              |          |              | 74.         |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 76 / 13 | Daug. | 471 | 81,2 | Rel. | 97 % | <b>TYPE</b> | 0,68 |
|                  |             |       |         |       |     |      |      |      | rank        | 237. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,67  |    |    |   |    |    |
| Angularity            | 0,47  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,27  |    |    |   |    |    |
| Rump Angle            | 0,33  |    |    |   |    |    |
| Rear Legs Side View   | 0,16  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | 0,99  |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 0,16  |    |    |   |    |    |
| Rear Udder Height     | 0,78  |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | -0,26 |    |    |   |    |    |
| Udder Depth           | 1,55  |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | -0,67 |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

84,5 **Frame** **0,88**

81,4 **Dairy Strength** **1,20**

81,5 **Feet & Legs** **-1,32**

79,2 **Udder** **0,46**

**SHI** **62,6**

rank 169.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>KINGS-RANSOM DONAIRO-ET</b> | <b>US000061488652</b>             | <b>29.06.2004</b> | <b>ELL-006</b> |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 14.04.2005     |
|                                |                                   | CA                | HU2005004888   |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>                             | <b>PGS</b> | ETAZON LORD LILY-ET<br>NL000780180664      |
| MOET LOOKOUT-ET<br>GB000000587438       | <b>PGD</b> | MOET SLOCUM KIZZY A-ET<br>GB000008905109   |
| <b>Dam</b>                              | <b>MGS</b> | CAROL PRELUDE MTOTO-ET<br>IT006001001962   |
| PEN-COL MTOTO DIMA-ET<br>US000060082221 | <b>MGD</b> | PEN-COL COMMOTION DEANNA<br>US000015880851 |

|                             |            |           |           |             |             |          |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>56</b> | Daug.       | <b>1469</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>2939</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat      |              | rank       | 37.         |
| <b>30211</b>                |            |           |           | <b>1130</b> |             | <b>9</b> | <b>-0,55</b> | <b>SCS</b> | <b>2,48</b> |
|                             |            |           |           |             |             |          |              | rank       | 75.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>56 / 18</b> | Daug. | <b>351</b> | 80,8 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,68</b> |
|                  |             |       |                |       |            |      |      | rank        | 238.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,04 |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | -0,43 |    |    |   |    |    |
| Body Depth            | -1,04 |    |    |   |    |    |
| Rump Angle            | 0,32  |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | -0,23 |    |    |   |    |    |
| Fore Udder Attachment | 0,90  |    |    |   |    |    |
| Front Teat Placement  | 0,10  |    |    |   |    |    |
| Teat Length           | -0,24 |    |    |   |    |    |
| Rear Udder Height     | 0,92  |    |    |   |    |    |
| Rear Udder Width      | 0,73  |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 0,75  |    |    |   |    |    |
| Rump Width            | -0,61 |    |    |   |    |    |
| Rear Legs Rear View   | 0,59  |    |    |   |    |    |
| Rear Teat Placement   | 0,44  |    |    |   |    |    |
| Locomotion            | 0,39  |    |    |   |    |    |
| Body Condition        | -0,32 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,8 | <b>Frame</b>           | <b>-0,57</b> |
| 80,4 | <b>Dairy Strength</b>  | <b>-1,30</b> |
| 82,4 | <b>Feet &amp; Legs</b> | <b>0,69</b>  |
| 78,8 | <b>Udder</b>           | <b>2,15</b>  |
|      | <b>SHI</b>             | <b>115,9</b> |
|      | rank                   | 62.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>WESLEY</b>     | <b>DE000111477614</b>             | <b>28.03.1998</b> | <b>WNL-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.05.1998     |
|                   |                                   | DEU               | 98/6831        |

### Pedigree

|                              |                |                           |
|------------------------------|----------------|---------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE |
| STRATHAIRE SOUTHWIND LUKE-ET | US000001964484 | BEL-001                   |
| AU000A00007327               | <b>PGD</b>     | INS CHARITY               |
|                              | AU000000462731 |                           |
| <b>Dam</b>                   | <b>MGS</b>     | MAIZEFIELD BELLWOOD-ET    |
| VIKTORIA 61                  | US000002103297 | MEW-004                   |
| DE000110084416               | <b>MGD</b>     | RESI 29                   |
|                              | DE000107872738 |                           |

|                             |            |           |            |             |             |           |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>139</b> | Daug.       | <b>3187</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1232</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |             | rank       | 696.         |
| <b>63477</b>                |            |           |            | <b>-342</b> |             | <b>-9</b> | <b>0,07</b> | <b>SCS</b> | <b>2,76</b>  |
|                             |            |           |            |             |             | <b>-8</b> | <b>0,06</b> | rank       | 240.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>57 / 23</b> | Daug. | <b>439</b> | 78,2 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,68</b> |
|                  |             |       |                |       |            |      |      | rank        | 239.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    | ■ |    |    |
| Angularity            | -0,14 |    |    | ■ |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    | ■ | ■  |    |
| Rump Angle            | -0,24 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,12  |    |    | ■ |    |    |
| Foot Angle            | 0,31  |    |    | ■ |    |    |
| Fore Udder Attachment | -0,10 |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    | ■  |   |    |    |
| Teat Length           | 1,20  |    |    |   | ■  | ■  |
| Rear Udder Height     | 0,23  |    |    | ■ |    |    |
| Rear Udder Width      | 0,75  |    |    | ■ | ■  |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | -0,33 |    |    | ■ |    |    |
| Rump Width            | 0,29  |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,26  |    |    | ■ |    |    |
| Rear Teat Placement   | 0,29  |    |    | ■ |    |    |
| Locomotion            | 0,26  |    |    | ■ |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 80,5 | <b>Frame</b>           | <b>-0,06</b> |
|                 | 78,8 | <b>Dairy Strength</b>  | <b>0,30</b>  |
|                 | 79,1 | <b>Feet &amp; Legs</b> | <b>1,31</b>  |
|                 | 76,3 | <b>Udder</b>           | <b>0,62</b>  |
|                 |      | <b>SHI</b>             | <b>-9,9</b>  |
|                 |      | rank                   | 392.         |

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SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>SBS LUKE LUSK-ET</b> | <b>SK000070007852</b>             | <b>04.04.1996</b> | <b>LU-007</b>  |
| Country of origin       | SK                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 24.10.1996     |
|                         |                                   | SVK               | 0218/19        |

### Pedigree

|                              |            |                             |
|------------------------------|------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN |            | US000001879085              |
| US000002071864               |            | CLE-003                     |
| CLE-005                      | <b>PGD</b> | NORRIELAKE VALIANT CHEER-ET |
|                              |            | US000012365669              |
| <b>Dam</b>                   | <b>MGS</b> | BIS-MAY TRADITION CLEITUS   |
| RIPVALLEY CLEITUS RITZY      |            | US000001879085              |
| US000013783492               |            | CLE-003                     |
|                              | <b>MGD</b> | RIPVALLEY BOOTNECK REBA     |
|                              |            | US000011747043              |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>68</b> | Daug.       | <b>479</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>-930</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 627.        |
| <b>10386</b>                |            |           |           | <b>-156</b> |            | <b>-9</b> | <b>-0,08</b> | <b>SCS</b> | <b>3,13</b> |
|                             |            |           |           |             |            | <b>-7</b> | <b>-0,06</b> | rank       | 706.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>21 / 17</b> | Daug. | <b>101</b> | 77,2 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,68</b> |
|                  |             |       |                |       |            |      |      | rank        | 240.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,06 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,34  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | -0,78 |    |    |   |    |    |
| Foot Angle            | 0,95  |    |    |   |    |    |
| Fore Udder Attachment | -0,31 |    |    |   |    |    |
| Front Teat Placement  | 0,09  |    |    |   |    |    |
| Teat Length           | -0,53 |    |    |   |    |    |
| Rear Udder Height     | -0,74 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | -0,45 |    |    |   |    |    |
| Rump Width            | 0,37  |    |    |   |    |    |
| Rear Legs Rear View   | 0,79  |    |    |   |    |    |
| Rear Teat Placement   | -0,14 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | 0,59  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,4 | <b>Frame</b>           | <b>0,19</b>  |
| 76,5 | <b>Dairy Strength</b>  | <b>0,77</b>  |
| 78,3 | <b>Feet &amp; Legs</b> | <b>2,68</b>  |
| 75,5 | <b>Udder</b>           | <b>-0,29</b> |
|      | <b>SHI</b>             | <b>-1,0</b>  |
|      | rank                   | 370.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>LAMISTO-ET</b> | <b>DE000348590633</b> | <b>04.02.2005</b> | <b>LUS-009</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.04.2005 |
|                   |                | DE           | 05/37188   |

### Pedigree

|                |            |                      |         |
|----------------|------------|----------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | LUKAS                |         |
| LAUDAN-ET      |            | DE001012104370       |         |
| DE000578448776 | <b>PGD</b> | BRISANZ 1            |         |
|                |            | DE000576302497       |         |
| <b>Dam</b>     | <b>MGS</b> | STARTMORE RUDOLPH-ET | ARS-015 |
| FARADIBA       |            | CA000005470579       |         |
| DE000343987816 | <b>MGD</b> | FABIOLA              |         |
|                |            | DE001021260022       |         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 36  | Rel.  | 85 % | <b>SPI</b> | -694        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 734                         |            |           |    | 74    | -16 | -0,35 | -6   | -0,18      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 575.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 404.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 5 | Daug. | 14 | 78,7 | Rel. | 56 % | <b>TYPE</b> | 0,68 |
|                  |             |       |       |       |    |      |      |      | rank        | 241. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,11 |    |    |   |    |    |
| Angularity            | 1,02  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | -0,76 |    |    |   |    |    |
| Rear Legs Side View   | -0,38 |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | -0,21 |    |    |   |    |    |
| Front Teat Placement  | 0,82  |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | 0,32  |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | 0,69  |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | -0,74 |    |    |   |    |    |
| Rear Legs Rear View   | -0,12 |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,65 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 81,4 | <b>Frame</b>           | -0,47 |
|                 | 80,6 | <b>Dairy Strength</b>  | 1,99  |
|                 | 76,4 | <b>Feet &amp; Legs</b> | -0,54 |
|                 | 77,6 | <b>Udder</b>           | 0,86  |
|                 |      | <b>SHI</b>             | 6,1   |
|                 |      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                |                            |                   |                       |
|--------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>               | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>CANYON-BREEZE ALASKA-ET</b> | <b>US000062494312</b>      | <b>08.03.2005</b> | <b>LUS-013</b>        |
| Country of origin              | US                         | <b>Breed</b>      | H100                  |
| Distributor                    | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                                |                            | Paternity         | 04.05.2006            |
|                                |                            | CA                | DC161562              |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | LUKAS                       |
| LAUDAN-ET                 |            | DE001012104370              |
| DE000578448776            | <b>PGD</b> | BRISANZ 1                   |
|                           |            | DE000576302497              |
| <b>Dam</b>                | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| CANYON-BREEZE MAR ADDISON |            | US000002290977              |
| US000060760433            | <b>MGD</b> | CANYON-BREEZE STRM ASHES-ET |
|                           |            | US000129869193              |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 128 | Rel.  | 94 % | <b>SPI</b> | 295  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 368. |
| 2373                        |            |           |    | 361   | -24 | -0,68 | 7    | <b>SCS</b> | 2,84 |
|                             |            |           |    |       |     |       |      | rank       | 339. |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 3 | Daug. | 20 | 80,3 | Rel. | 61 % | <b>TYPE</b> | 0,67 |
|                  |             |       |       |       |    |      |      | rank | 242.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,00  |    |    |   |    |    |
| Angularity            | 0,38  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,75 |    |    |   |    |    |
| Rump Angle            | 0,32  |    |    |   |    |    |
| Rear Legs Side View   | -0,70 |    |    |   |    |    |
| Foot Angle            | 0,36  |    |    |   |    |    |
| Fore Udder Attachment | 0,23  |    |    |   |    |    |
| Front Teat Placement  | 0,85  |    |    |   |    |    |
| Teat Length           | -0,90 |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | 0,18  |    |    |   |    |    |
| Udder Depth           | 0,82  |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | 0,71  |    |    |   |    |    |
| Rear Teat Placement   | 0,79  |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 84,6 | <b>Frame</b>           | 1,00  |
| 79,3 | <b>Dairy Strength</b>  | -0,32 |
| 82,1 | <b>Feet &amp; Legs</b> | 0,79  |
| 77,9 | <b>Udder</b>           | 0,46  |
|      | <b>SHI</b>             | 35,9  |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                                   |                   |                       |
|---------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>    | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>KED JUROR-ET</b> | <b>US000002124357</b>             | <b>01.01.1990</b> | <b>BS-017</b>         |
| Country of origin   | US                                | <b>Breed</b>      | H100                  |
| Distributor         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                     |                                   | Paternity         | 20.07.1990            |
|                     |                                   | USA               | IG142021B             |

### Pedigree

|                     |                |                          |
|---------------------|----------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET | US000001723741 | ADM-008                  |
| US000001929410      | <b>PGD</b>     | TO-MAR WAYNE HAY         |
| CHR-002             | US000009804790 |                          |
| <b>Dam</b>          | <b>MGS</b>     | WALKWAY CHIEF MARK       |
| KED MARK JUSTINE    | US000001773417 |                          |
| US000012750091      | <b>MGD</b>     | KED SEXATION JASMINE     |
|                     | US000012146429 |                          |

|                             |             |           |           |       |              |            |             |            |             |
|-----------------------------|-------------|-----------|-----------|-------|--------------|------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017  | Herds     | <b>53</b> | Daug. | <b>316</b>   | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>-887</b> |
| Number controls             | <b>6114</b> | <b>BV</b> |           | Milk  | <b>-128</b>  | Fat        | <b>-3</b>   | %          | <b>0,03</b> |
|                             |             | Prot.     | <b>-1</b> | %     | <b>-0,14</b> | <b>SCS</b> | <b>3,06</b> | rank       | 624.        |
|                             |             |           |           |       |              | rank       |             |            | 614.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 18</b> | Daug. | <b>77</b> | 77,0 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,66</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 243.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,78  |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | -0,00 |    |    |   |    |    |
| Rear Legs Side View   | 0,70  |    |    |   |    |    |
| Foot Angle            | -0,20 |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | 1,37  |    |    |   |    |    |
| Teat Length           | 0,70  |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | 0,73  |    |    |   |    |    |
| Rump Width            | 0,63  |    |    |   |    |    |
| Rear Legs Rear View   | -1,14 |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,28 |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

80,8 **Frame** **1,41**

75,2 **Dairy Strength** **1,06**

75,3 **Feet & Legs** **-1,67**

76,6 **Udder** **0,53**

**SHI** **-0,2**

rank 368.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MERATO</b>     | <b>DE000000830332</b>             | <b>20.08.1995</b> | <b>STY-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.11.1995     |
|                   |                                   | DEU               | 95/12377       |

### Pedigree

|                       |            |                         |
|-----------------------|------------|-------------------------|
| <b>Sire</b>           | <b>PGS</b> | TRI-TOWN STEADY SPIPPER |
| LONDONDALE MERRILL-ET |            | US000001829401          |
| US000002076121        | <b>PGD</b> | LONDONDALE MODEL FORD   |
|                       |            | US000011797524          |
| <b>Dam</b>            | <b>MGS</b> | MADAWASKA AEROSTAR      |
| AFRIKA                |            | CA000000383622          |
| DE001015240015        | <b>MGD</b> | ANERIKA                 |
|                       |            | DE001015106586          |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>91</b> | Daug.      | <b>1911</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-37</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 435.        |
| <b>38307</b>                |            |           |           | <b>-63</b> |             | <b>9</b>  | <b>0,21</b>  | <b>SCS</b> | <b>3,30</b> |
|                             |            |           |           |            |             | <b>-3</b> | <b>-0,03</b> | rank       | 914.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 11</b> | Daug. | <b>166</b> | 78,2 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>0,66</b> |
|                  |             |       |                |       |            |      |      | rank        | 244.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,64  |    |    |   |    |    |
| Rump Angle            | -0,72 |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,63  |    |    |   |    |    |
| Fore Udder Attachment | 0,37  |    |    |   |    |    |
| Front Teat Placement  | -0,92 |    |    |   |    |    |
| Teat Length           | -0,28 |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | 1,16  |    |    |   |    |    |
| Central Ligament      | -1,02 |    |    |   |    |    |
| Udder Depth           | -0,94 |    |    |   |    |    |
| Rump Width            | 0,47  |    |    |   |    |    |
| Rear Legs Rear View   | 1,59  |    |    |   |    |    |
| Rear Teat Placement   | -0,40 |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | 0,45  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,5 | <b>Frame</b>           | <b>-0,43</b> |
| 78,0 | <b>Dairy Strength</b>  | <b>-0,10</b> |
| 79,4 | <b>Feet &amp; Legs</b> | <b>2,67</b>  |
| 77,1 | <b>Udder</b>           | <b>0,59</b>  |
|      | <b>SHI</b>             | <b>25,4</b>  |
|      | rank                   | 265.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>WA-DEL MYSTIQUE-ET</b> | <b>US000002118527</b>             | <b>07.11.1989</b> | <b>BS-016</b>  |
| Country of origin         | US                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 19.10.1990     |
|                           |                                   | USA               | IG14562        |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET    |            | US000001723741           |
| US000001929410         | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                |            | US000009804790           |
|                        |            | ADM-008                  |
| <b>Dam</b>             | <b>MGS</b> | WALKWAY CHIEF MARK       |
| VALHALLA MARK MITZY-ET |            | US000001773417           |
| US000012677418         | <b>MGD</b> | HUBERVIEW BELL KRISTEEN  |
|                        |            | US000010930484           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>52</b> | Daug.       | <b>317</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-1346</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 722.         |
| <b>5649</b>                 |            |           |           | <b>-298</b> |            | <b>-6</b>  | <b>0,09</b>  | <b>SCS</b> | <b>2,81</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>-0,07</b> | rank       | 301.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 12</b> | Daug. | <b>40</b> | 77,4 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>0,66</b> |
|                  |             |       |                |       |           |      |      | rank        | 245.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | -0,28 |    |    |   |    |    |
| Chest Width           | 0,80  |    |    |   |    |    |
| Body Depth            | 1,15  |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | -0,07 |    |    |   |    |    |
| Fore Udder Attachment | 0,43  |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | -1,06 |    |    |   |    |    |
| Rear Udder Height     | -0,73 |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | 0,47  |    |    |   |    |    |
| Udder Depth           | -0,17 |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,83  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,9 | <b>Frame</b>           | <b>1,13</b>  |
| 74,8 | <b>Dairy Strength</b>  | <b>0,45</b>  |
| 77,6 | <b>Feet &amp; Legs</b> | <b>-0,47</b> |
| 76,4 | <b>Udder</b>           | <b>0,56</b>  |
|      | <b>SHI</b>             | <b>-14,2</b> |
|      | rank                   | 407.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>EKPS 12</b>    | <b>DK000000245861</b>             | <b>19.04.2002</b> | <b>JUX-003</b> |
| Country of origin | DK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.07.2002     |
|                   |                                   | DNK               | 234615         |

### Pedigree

|                      |            |                           |                |
|----------------------|------------|---------------------------|----------------|
| <b>Sire</b>          | <b>PGS</b> | KED JUROR-ET              |                |
| SUMMERSHADE INQUIRER |            | US000002124357            | BS-017         |
| CA000006483076       | <b>PGD</b> | SUMMERSHADE ILENE SCOT-ET |                |
| JUX-002              |            | CA000005619306            |                |
| <b>Dam</b>           | <b>MGS</b> | LUKAS                     |                |
|                      |            | DE001012104370            |                |
| DK003754601980       | <b>MGD</b> |                           | DK003754601659 |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug. | 127 | Rel. | 94 %  | <b>SPI</b> | -171  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>2585</b>                 |            |           |    | -46   |     | -2   | -0,01 | -1         | 0,01  |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,92  |
|                             |            |           |    |       |     |      |       | rank       | 461.  |
|                             |            |           |    |       |     |      |       | rank       | 1235. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 9 | Daug. | 22 | 79,0 | Rel. | 66 % | <b>TYPE</b> | 0,66 |
|                  |             |       |        |       |    |      |      |      | rank        | 246. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | 0,51  |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,43 |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | 0,50  |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | 0,00  |    |    |   |    |    |
| Central Ligament      | 0,04  |    |    |   |    |    |
| Udder Depth           | -0,27 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,30 |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 82,1 | <b>Frame</b> | 0,12 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 80,3 | <b>Dairy Strength</b> | 1,28 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 79,1 | <b>Feet &amp; Legs</b> | 0,24 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 76,8 | <b>Udder</b> | 0,33 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 21,2 |
|--|------------|------|

rank 289.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>ALTAGEN TACTICAL-ET</b> | <b>CA000007104267</b>             | <b>03.11.1997</b> | <b>FOM-001</b> |
| Country of origin          | CA                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 27.03.1998     |
|                            |                                   | CAN               | 414479         |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                    |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY          |
| LAD-009                     | US000013008118 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | MAIZEFIELD BELLWOOD-ET     |
| HARTLINE BELLWOOD TABBY-ET  | US000002103297 | MEW-004                    |
| US000015922743              | <b>MGD</b>     | DOCOCASCOT TOTAL-ET        |
|                             | US000014908037 |                            |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>56</b> | Daug.      | <b>119</b> | Rel.     | <b>94 %</b>  | <b>SPI</b> | <b>1426</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 163.        |
| <b>2256</b>                 |            |           |           | <b>525</b> |            | <b>9</b> | <b>-0,19</b> | <b>SCS</b> | <b>3,21</b> |
|                             |            |           |           |            |            | <b>7</b> | <b>-0,19</b> | rank       | 795.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 12</b> | Daug. | <b>26</b> | 78,2 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>0,66</b> |
|                  |             |       |                |       |           |      |      | rank        | 247.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,43  |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | 0,11  |    |    |   |    |    |
| Body Depth            | -0,53 |    |    |   |    |    |
| Rump Angle            | 0,64  |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | 0,95  |    |    |   |    |    |
| Rear Udder Width      | 0,67  |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | -0,57 |    |    |   |    |    |
| Rump Width            | 0,33  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>0,30</b>  |
| 76,2 | <b>Dairy Strength</b>  | <b>-0,02</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>0,92</b>  |
| 77,1 | <b>Udder</b>           | <b>0,28</b>  |
|      | <b>SHI</b>             | <b>69,4</b>  |
|      | rank                   | 149.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>SAHARA S PRELUDE</b> | <b>NL000848765101</b>             | <b>01.11.1994</b> | <b>PEL-008</b> |
| Country of origin       | NL                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | ..             |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>  | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790         |
| RONNYBROOK PRELUDE-ET<br>CA000000392457<br>STB-016 | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO<br>US000009739109   |
| <b>Dam</b>   | <b>MGS</b> | THONYMA SECRET<br>US000001856904               |
| SHADE-E-LANE-C,SAHARA-ET<br>US000013753806         | <b>MGD</b> | CONANT-ACRES-JY SWD,SABRA-ET<br>US000012072536 |

|                             |            |           |            |             |            |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>121</b> | Daug.       | <b>649</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1501</b> |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |            | <b>Fat</b> |              | rank       | 761.         |
| <b>12822</b>                |            |           |            | <b>-313</b> |            | <b>-8</b>  | <b>0,06</b>  | <b>SCS</b> | <b>3,51</b>  |
|                             |            |           |            |             |            | <b>-13</b> | <b>-0,08</b> | rank       | 1119.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 12</b> | Daug. | <b>33</b> | 78,2 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,66</b> |
|                  |             |       |                |       |           |      |      | rank        | 248.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,94  |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | 0,65  |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | 0,67  |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | -1,20 |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | -0,72 |    |    |   |    |    |
| Rear Udder Height     | -0,59 |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,18  |    |    |   |    |    |
| Udder Depth           | -1,18 |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,69  |    |    |   |    |    |
| Rear Teat Placement   | -0,29 |    |    |   |    |    |
| Locomotion            | 0,46  |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

daught. average

82,1 **Frame** **1,52**

77,9 **Dairy Strength** **1,24**

78,7 **Feet & Legs** **1,82**

76,0 **Udder** **-1,38**

**SHI** **-19,0**

rank 425.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>COMESTAR REVOLUTION ETM</b> | <b>CA000006388683</b> | <b>07.07.1995</b> | <b>LID-006</b> |
| Country of origin              | CA                    | <b>Breed</b>      | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                |                       | Paternity         | 20.10.1995     |
|                                |                       | CAN               | BT360324       |

### Pedigree

|                          |            |                         |
|--------------------------|------------|-------------------------|
| <b>Sire</b>              | <b>PGS</b> | S-W-D VALIANT           |
| A TOWNSON LINDY-ET       |            | US000001650414          |
| CA000000382748           | <b>PGD</b> | TOWNSON ELEVATION LINDY |
|                          |            | US000008721357          |
| <b>Dam</b>               | <b>MGS</b> | PUGET-SOUND SHEIK       |
| COMESTAR LAURIE SHEIK-ET |            | CA000000327279          |
| CA0000004425038          | <b>MGD</b> | ELYSA ANTHONY LEA       |
|                          |            | CA000003628269          |

|                             |            |           |    |            |          |             |           |              |             |
|-----------------------------|------------|-----------|----|------------|----------|-------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 26 | Daug.      | 326      | Rel.        | 98 %      | <b>SPI</b>   | 27          |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat         | %         | Prot.        | %           |
| <b>6910</b>                 |            |           |    | <b>-36</b> | <b>6</b> | <b>0,12</b> | <b>-1</b> | <b>-0,01</b> | <b>rank</b> |
|                             |            |           |    |            |          |             |           |              | 423.        |
|                             |            |           |    |            |          |             |           | <b>SCS</b>   | <b>3,06</b> |
|                             |            |           |    |            |          |             |           | rank         | 601.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 50 | 78,9 | Rel. | 79 % | <b>TYPE</b> | 0,64 |
|                  |             |       |       |       |    |      |      |      | rank        | 249. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,10  |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,53 |    |    |   |    |    |
| Body Depth            | 0,23  |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | 0,37  |    |    |   |    |    |
| Foot Angle            | -0,65 |    |    |   |    |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | 0,16  |    |    |   |    |    |
| Teat Length           | -0,15 |    |    |   |    |    |
| Rear Udder Height     | 0,86  |    |    |   |    |    |
| Rear Udder Width      | 1,26  |    |    |   |    |    |
| Central Ligament      | -0,08 |    |    |   |    |    |
| Udder Depth           | -0,34 |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | 0,41  |    |    |   |    |    |
| Locomotion            | -0,32 |    |    |   |    |    |
| Body Condition        | -0,49 |    |    |   |    |    |

daught. average

80,8 **Frame** **0,12**

79,3 **Dairy Strength** **0,89**

76,5 **Feet & Legs** **-1,28**

79,0 **Udder** **1,39**

**SHI** **26,6**

rank 257.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CARTHAGE</b>   | <b>FR000340927514</b>             | <b>08.01.2007</b> | <b>MNA-015</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 14.06.2007     |
|                   |                                   | FR                | F/S 398035     |

### Pedigree

|                    |            |                             |
|--------------------|------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b> | ETAZON ADDISON-ET           |
| VEAZLAND MARION-ET |            | NL000839380546              |
| US000130153294     | <b>PGD</b> | VEAZLAND FORMATION MISSA-ET |
|                    |            | US000017346766              |
| <b>Dam</b>         | <b>MGS</b> | HIDDEN-VIEW BEST            |
| VERYBEST           |            | US000123645630              |
| FR000340574121     | <b>MGD</b> | TOP                         |
|                    |            | FR000340352722              |

|                             |            |           |    |            |     |           |              |              |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 57 | Daug.      | 424 | Rel.      | 98 %         | <b>SPI</b>   | 2134        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | rank         | 89.         |
| <b>8374</b>                 |            |           |    | <b>419</b> |     | <b>12</b> | <b>-0,08</b> | <b>Prot.</b> | <b>19</b>   |
|                             |            |           |    |            |     |           |              | <b>%</b>     | <b>0,12</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b>   | <b>3,54</b> |
|                             |            |           |    |            |     |           |              | rank         | 1127.       |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 50 / 20 | Daug. | 171 | 80,2 | Rel. | 92 % | <b>TYPE</b> | 0,64 |
|                  |             |       |         |       |     |      |      | rank | 250.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | -0,00 |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | -0,14 |    |    |   |    |    |
| Foot Angle            | 0,69  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | 0,35  |    |    |   |    |    |
| Rear Udder Height     | 0,60  |    |    |   |    |    |
| Rear Udder Width      | 0,71  |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | -0,07 |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,6 | <b>Frame</b> | <b>0,53</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,1 | <b>Dairy Strength</b> | <b>-0,71</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 81,3 | <b>Feet &amp; Legs</b> | <b>0,43</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,0 | <b>Udder</b> | <b>0,96</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>90,1</b> |
|--|------------|-------------|

rank 103.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>MONUMENT KENETH-ET</b> | <b>US000062229995</b> | <b>23.05.2004</b> | <b>FOM-027</b> |
| Country of origin         | US                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 19.04.2005     |
|                           |                       | CA                | DC137687       |

### Pedigree

|                       |                |                             |
|-----------------------|----------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| STOUDER MORTY-ET      | US000002163822 | LAD-009                     |
| US000017349617        | <b>PGD</b>     | CRACIN AEROSTAR MELISSA     |
| FOM-004               | US000015172400 |                             |
| <b>Dam</b>            | <b>MGS</b>     | REGANCREST ELTON DURHAM-ET  |
| DERONDA DURHAM JESSIE | US000002250783 |                             |
| US000131791710        | <b>MGD</b>     | WILCOXVIEW LEE JAMIE-ET     |
|                       | US000128620841 |                             |

|                             |            |           |            |          |              |          |              |            |             |
|-----------------------------|------------|-----------|------------|----------|--------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 12         | Daug.    | 285          | Rel.     | 97 %         | <b>SPI</b> | 976         |
| Number controls             |            | <b>BV</b> | Milk       | Fat      | %            | Prot.    | %            | rank       | 246.        |
| <b>5144</b>                 |            |           | <b>434</b> | <b>1</b> | <b>-0,28</b> | <b>5</b> | <b>-0,17</b> | <b>SCS</b> | <b>2,81</b> |
|                             |            |           |            |          |              |          |              | rank       | 304.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 34 | 80,1 | Rel. | 71 % | <b>TYPE</b> | 0,64 |
|                  |             |       |       |       |    |      |      | rank | 251.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | 0,73  |    |    |   |    |    |
| Chest Width           | -0,51 |    |    |   |    |    |
| Body Depth            | 0,08  |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | 0,19  |    |    |   |    |    |
| Front Teat Placement  | 0,40  |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | -0,12 |    |    |   |    |    |
| Central Ligament      | 0,35  |    |    |   |    |    |
| Udder Depth           | 0,31  |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | -1,20 |    |    |   |    |    |
| Rear Teat Placement   | 0,53  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,6 | <b>Frame</b>           | <b>0,09</b> |
| 82,3 | <b>Dairy Strength</b>  | <b>1,04</b> |
| 81,3 | <b>Feet &amp; Legs</b> | <b>0,43</b> |
| 76,3 | <b>Udder</b>           | <b>0,44</b> |
|      | <b>SHI</b>             | <b>55,2</b> |
|      | rank                   | 191.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LENNY</b>      | <b>NL000486734617</b>             | <b>28.05.2007</b> | <b>BW-040</b>  |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.01.2008     |
|                   |                                   | NL                | 165837         |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV<br>US000002290977 |
| JENNY-LOU MRSHL TOYSTORY-ET<br>US000060372887<br>BW-053 | <b>PGD</b> | JENNY-LOU PATRON TOYANE<br>US000017313307     |
| <b>Dam</b>  | <b>MGS</b> | REGANCREST ELTON DURHAM-ET<br>US000002250783  |
| MARKWELL DURHAM FLORRI-ET<br>US000060445555             | <b>MGD</b> | MARKWELL PRELUDE ROZLYN-ET<br>US000015802794  |

|                             |            |           |           |              |            |             |             |             |            |      |
|-----------------------------|------------|-----------|-----------|--------------|------------|-------------|-------------|-------------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.        | <b>140</b> | Rel.        | <b>94 %</b> | <b>SPI</b>  | <b>192</b> |      |
| Number controls             | <b>BV</b>  | Milk      | Fat       | %            | Prot.      | %           | rank        | 391.        |            |      |
| <b>2880</b>                 |            | <b>71</b> | <b>-6</b> | <b>-0,17</b> | <b>4</b>   | <b>0,03</b> | <b>SCS</b>  | <b>3,09</b> | rank       | 654. |

|                  |             |       |                |       |           |      |      |             |             |             |      |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 10</b> | Daug. | <b>46</b> | 80,0 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>0,64</b> |      |
|                  |             |       |                |       |           |      |      |             |             | rank        | 252. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | -0,28 |    |    |   |    |    |
| Chest Width           | 0,34  |    |    |   |    |    |
| Body Depth            | 0,94  |    |    |   |    |    |
| Rump Angle            | -0,00 |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | -0,04 |    |    |   |    |    |
| Front Teat Placement  | -0,47 |    |    |   |    |    |
| Teat Length           | 0,29  |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | 0,18  |    |    |   |    |    |
| Central Ligament      | 0,04  |    |    |   |    |    |
| Udder Depth           | 0,46  |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | 0,81  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

84,8 **Frame** **1,17**

81,1 **Dairy Strength** **0,69**

81,5 **Feet & Legs** **0,63**

76,1 **Udder** **-0,16**

**SHI** **31,5**

rank 251.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>DIEPENHOEK ALTAFIGHTER</b> | <b>NL000387902773</b> | <b>30.07.2004</b> | <b>MED-024</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | NL             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.12.2004 |
|                   |                | NL           | 120459     |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>   | <b>PGS</b> | HA-HO CUBBY MANFRED-ET<br>US000002183007       |
| O-BEE MANFRED JUSTICE-ET<br>US000122358313<br>MED-012 | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET<br>US000015459080  |
| <b>Dam</b>  | <b>MGS</b> | DIXIE-LEE AARON-ET<br>US000002265005<br>LU-009 |
| DEN DOGGE LIZARONY<br>NL000289345205                  | <b>MGD</b> | DEN DOGGE ELT-LIZA<br>NL000168719954           |

|                             |            |           |    |            |           |             |           |             |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 253       | Rel.        | 95 %      | <b>SPI</b>  | 2867        |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %         | Prot.       | %           |
| <b>3143</b>                 |            |           |    | <b>533</b> | <b>23</b> | <b>0,03</b> | <b>23</b> | <b>0,14</b> | <b>SCS</b>  |
|                             |            |           |    |            |           |             |           |             | rank        |
|                             |            |           |    |            |           |             |           |             | 42.         |
|                             |            |           |    |            |           |             |           |             | <b>rank</b> |
|                             |            |           |    |            |           |             |           |             | 525.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 2 | Daug. | 25 | 81,4 | Rel. | 67 % | <b>TYPE</b> | 0,64 |
|                  |             |       |        |       |    |      |      |      | rank        | 253. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,16  |    |    |   |    |    |
| Angularity            | -0,20 |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,19 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | 0,99  |    |    |   |    |    |
| Teat Length           | 0,78  |    |    |   |    |    |
| Rear Udder Height     | -0,47 |    |    |   |    |    |
| Rear Udder Width      | 0,62  |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | -0,74 |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | 0,60  |    |    |   |    |    |
| Rear Teat Placement   | -0,04 |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,6 | <b>Frame</b> | <b>0,23</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 81,2 | <b>Dairy Strength</b> | <b>-0,15</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 83,4 | <b>Feet &amp; Legs</b> | <b>1,01</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 79,4 | <b>Udder</b> | <b>0,60</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>112,1</b> |
|--|------------|--------------|

rank 69.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>SH SURANY HUNTER TITAN-ET</b> | <b>SK000070473858</b> | <b>05.03.1997</b> | <b>HUN-001</b> |
| Country of origin <b>SK</b>      |                       | <b>Breed</b>      | H100           |
| Distributor                      |                       | Herdbook          | HA             |
|                                  |                       | Paternity         |                |

### Pedigree

|                               |            |                               |
|-------------------------------|------------|-------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ART ACRES BELL PONTIAC-ET     |
| AMELDIN II PONTIAC HUNTER-323 |            | US000001878472 <b>PTC-001</b> |
| US000002094527                | <b>PGD</b> | FAIR-HILL ROTATE HONEY-ET     |
| <b>PTC-010</b>                |            | US000012680667                |
| <b>Dam</b>                    | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| LOOK-UP MASCOT SOPHIA-ET      |            | US000002020049 <b>NBY-011</b> |
| US000014826522                | <b>MGD</b> | LONG-HAVEN SOUTH SUGAR-ET     |
|                               |            | US000014145056                |

|                             |            |                 |                  |                  |            |              |
|-----------------------------|------------|-----------------|------------------|------------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds <b>52</b> | Daug. <b>158</b> | Rel. <b>95 %</b> | <b>SPI</b> | <b>-835</b>  |
| Number controls             | <b>BV</b>  | Milk            | Fat              | %                | Prot.      | %            |
| <b>3015</b>                 |            | <b>-33</b>      | <b>-12</b>       | <b>-0,22</b>     | <b>-7</b>  | <b>-0,14</b> |
|                             |            |                 |                  |                  | <b>SCS</b> | <b>3,46</b>  |
|                             |            |                 |                  |                  | rank       | 1084.        |

|                  |             |                    |                 |             |                  |             |             |
|------------------|-------------|--------------------|-----------------|-------------|------------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds <b>9 / 6</b> | Daug. <b>23</b> | <b>77,7</b> | Rel. <b>67 %</b> | <b>TYPE</b> | <b>0,64</b> |
|                  |             |                    |                 |             |                  | rank        | 254.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,30  |    |    |   |    |    |
| Angularity            | -0,22 |    |    |   |    |    |
| Chest Width           | 0,44  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | 0,55  |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,58  |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | 0,61  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,66 |    |    |   |    |    |
| Rear Udder Width      | -0,61 |    |    |   |    |    |
| Central Ligament      | 0,62  |    |    |   |    |    |
| Udder Depth           | -0,29 |    |    |   |    |    |
| Rump Width            | -0,04 |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>82,4</b> | <b>Frame</b>           | <b>1,96</b>  |
| <b>75,5</b> | <b>Dairy Strength</b>  | <b>0,26</b>  |
| <b>77,3</b> | <b>Feet &amp; Legs</b> | <b>0,34</b>  |
| <b>76,5</b> | <b>Udder</b>           | <b>-0,34</b> |
|             | <b>SHI</b>             | <b>0,4</b>   |
|             | rank                   | 366.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>CREYHORST CLOR 2</b> | <b>NL000143254005</b> | <b>25.08.1995</b> | <b>ORK-001</b> |
| Country of origin       | NL                    | <b>Breed</b>      | R87,5 M12,5    |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HB             |
|                         |                       | Paternity         | 14.04.1997     |
|                         |                       | NL                | 24105          |

### Pedigree

|                   |            |                   |
|-------------------|------------|-------------------|
| <b>Sire</b>       | <b>PGS</b> | ORKAN             |
| CLARA S ORKAN RED |            | DE001004565147    |
| NL000283076619    | <b>PGD</b> | CLARA 36          |
|                   |            | NL000281006676    |
| <b>Dam</b>        | <b>MGS</b> | PIGEONWOOD RED-ET |
| BETJE 50          |            | NL000953840847    |
| NL000782551886    | <b>MGD</b> | BETJE 44          |
|                   |            | NL000960711372    |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>46</b> | Daug.       | <b>568</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-540</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 539.        |
| <b>11329</b>                |            |           |           | <b>-364</b> |            | <b>2</b>  | <b>0,30</b> | <b>SCS</b> | <b>2,94</b> |
|                             |            |           |           |             |            | <b>-1</b> | <b>0,23</b> | rank       | 452.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 4</b> | Daug. | <b>108</b> | 78,8 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>0,64</b> |
|                  |             |       |               |       |            |      |      | rank        | 255.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,63 |    |    |   |    |    |
| Angularity            | 0,17  |    |    |   |    |    |
| Chest Width           | 0,22  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,42 |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,75  |    |    |   |    |    |
| Front Teat Placement  | 0,56  |    |    |   |    |    |
| Teat Length           | -0,88 |    |    |   |    |    |
| Rear Udder Height     | 0,42  |    |    |   |    |    |
| Rear Udder Width      | 0,84  |    |    |   |    |    |
| Central Ligament      | 0,23  |    |    |   |    |    |
| Udder Depth           | -0,36 |    |    |   |    |    |
| Rump Width            | -0,74 |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,52 |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | 0,44  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>-0,70</b> |
| 79,6 | <b>Dairy Strength</b>  | <b>0,67</b>  |
| 80,0 | <b>Feet &amp; Legs</b> | <b>0,30</b>  |
| 76,4 | <b>Udder</b>           | <b>1,18</b>  |
|      | <b>SHI</b>             | <b>9,3</b>   |
|      | rank                   | 337.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>D BANKER</b>   | <b>DK000000247111</b>      | <b>26.08.2002</b> | <b>JUX-006</b>        |
| Country of origin | DK                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 22.01.2003            |
|                   |                            | DK                | 237604                |

### Pedigree

|                |            |                        |        |
|----------------|------------|------------------------|--------|
| <b>Sire</b>    | <b>PGS</b> | KED JUROR-ET           |        |
| V BOJER        |            | US000002124357         | BS-017 |
| DK000000238068 | <b>PGD</b> | JELSTRUP ARES NICO     |        |
|                |            | DK003110600747         |        |
| <b>Dam</b>     | <b>MGS</b> | BRABANT STAR PATRON-ET |        |
|                |            | US000002160458         | BS-034 |
| DK005243501697 | <b>MGD</b> | DEN DOGGE BEL LETTA    |        |
|                |            | NL000841023002         |        |

|                             |            |           |   |            |           |              |           |             |            |
|-----------------------------|------------|-----------|---|------------|-----------|--------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 3 | Daug.      | 65        | Rel.         | 88 %      | <b>SPI</b>  | 2074       |
| Number controls             |            | <b>BV</b> |   | Milk       |           | Fat          | %         | Prot.       | %          |
| <b>1191</b>                 |            |           |   | <b>513</b> | <b>10</b> | <b>-0,17</b> | <b>17</b> | <b>0,01</b> | <b>SCS</b> |
|                             |            |           |   |            |           |              |           |             | rank       |
|                             |            |           |   |            |           |              |           |             | ...        |
|                             |            |           |   |            |           |              |           |             | rank       |
|                             |            |           |   |            |           |              |           |             | ...        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 1 | Daug. | 48 | 79,7 | Rel. | 75 % | <b>TYPE</b> | 0,64 |
|                  |             |       |       |       |    |      |      |      | rank        | 256. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | 0,59  |    |    |   |    |    |
| Rear Legs Side View   | 1,85  |    |    |   |    |    |
| Foot Angle            | -0,65 |    |    |   |    |    |
| Fore Udder Attachment | 0,13  |    |    |   |    |    |
| Front Teat Placement  | 0,82  |    |    |   |    |    |
| Teat Length           | 0,43  |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | 0,72  |    |    |   |    |    |
| Udder Depth           | 0,23  |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | -0,53 |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,6 | <b>Frame</b>           | <b>0,88</b>  |
| 79,7 | <b>Dairy Strength</b>  | <b>0,79</b>  |
| 78,0 | <b>Feet &amp; Legs</b> | <b>-1,81</b> |
| 78,6 | <b>Udder</b>           | <b>1,03</b>  |
|      | <b>SHI</b>             | <b>88,1</b>  |
|      | rank                   | 108.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SIR ROCKIE AARON-ET</b> | <b>US000002203292</b> | <b>22.07.1992</b> | <b>TES-008</b> |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 14.05.1993     |
|                            |                       | USA               | IG183964A      |

### Pedigree

|                          |            |                        |
|--------------------------|------------|------------------------|
| <b>Sire</b>              | <b>PGS</b> | S-W-D VALIANT          |
| TESK-HOLM VALIANT ROCKIE |            | US000001650414         |
| US000001841366           | <b>PGD</b> | HOUVALE APOLLO GAIL    |
| VAL-016                  |            | US000008985852         |
| <b>Dam</b>               | <b>MGS</b> | WALKWAY CHIEF MARK     |
| ANNZIBAR MARK ADELL      |            | US000001773417         |
| US0000013043469          | <b>MGD</b> | ANNZIBAR BELL,ADALAIDE |
|                          |            | US0000011386871        |

|                             |            |           |    |            |           |              |          |              |            |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.      | 274       | Rel.         | 98 %     | <b>SPI</b>   | 1945       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.    | %            | rank       |
| <b>6079</b>                 |            |           |    | <b>645</b> | <b>20</b> | <b>-0,10</b> | <b>8</b> | <b>-0,24</b> | <b>SCS</b> |
|                             |            |           |    |            |           |              |          |              | rank       |
|                             |            |           |    |            |           |              |          |              | 111.       |
|                             |            |           |    |            |           |              |          |              | 397.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 7 | Daug. | 26 | 78,0 | Rel. | 74 % | <b>TYPE</b> | 0,64 |
|                  |             |       |        |       |    |      |      |      | rank        | 257. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,32  |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,77  |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,21 |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | 0,16  |    |    |   |    |    |
| Rump Width            | 0,92  |    |    |   |    |    |
| Rear Legs Rear View   | 0,11  |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | -0,33 |    |    |   |    |    |
| Body Condition        | 0,17  |    |    |   |    |    |

daught. average

80,5 **Frame** **0,99**

76,5 **Dairy Strength** **0,45**

77,9 **Feet & Legs** **-0,22**

77,4 **Udder** **0,32**

**SHI** **84,2**

rank 118.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TABLEAU</b>    | <b>DE000768555470</b>             | <b>26.05.2004</b> | <b>SOM-030</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 03.08.2004     |
|                   |                                   | DE                | 04/39747       |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | MAUGHLIN STORM-ET       |
| LADINO PARK TALENT-IMP-ET |            | CA000005457798          |
| AU000000930377            | <b>PGD</b> | MARKWELL LEADER ROSE-ET |
|                           |            | US000015804313          |
| <b>Dam</b>                | <b>MGS</b> | FABER RED-ET            |
| DOLDE 91                  |            | DE000340174036          |
| DE000768156501            | <b>MGD</b> | DOLORES                 |
|                           |            | DE000767817919          |

|                             |            |           |           |             |             |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>64</b> | Daug.       | <b>1686</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1503</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        | %            | rank       | 762.         |
| <b>22638</b>                |            |           |           | <b>-332</b> |             | <b>-32</b> | <b>-0,39</b> | <b>SCS</b> | <b>2,56</b>  |
|                             |            |           |           |             |             | <b>-3</b>  | <b>0,17</b>  | rank       | 100.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>59 / 14</b> | Daug. | <b>541</b> | 80,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,63</b> |
|                  |             |       |                |       |            |      |      | rank        | 258.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,51 |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,80 |    |    |   |    |    |
| Body Depth            | -0,33 |    |    |   |    |    |
| Rump Angle            | 0,71  |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,60  |    |    |   |    |    |
| Teat Length           | -0,84 |    |    |   |    |    |
| Rear Udder Height     | 1,17  |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    |    |
| Central Ligament      | 0,69  |    |    |   |    |    |
| Udder Depth           | 0,77  |    |    |   |    |    |
| Rump Width            | -1,11 |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | -0,65 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,9 | <b>Frame</b>           | <b>-1,18</b> |
| 81,3 | <b>Dairy Strength</b>  | <b>-0,49</b> |
| 82,0 | <b>Feet &amp; Legs</b> | <b>0,31</b>  |
| 78,9 | <b>Udder</b>           | <b>2,30</b>  |
|      | <b>SHI</b>             | <b>-20,1</b> |
|      | rank                   | 428.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>SMRECANY AARON STANO</b> | <b>SK000002497984</b>             | <b>07.02.2001</b> | <b>LU-019</b>  |
| Country of origin           | SK                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         |                |

### Pedigree

|                    |            |                                |
|--------------------|------------|--------------------------------|
| <b>Sire</b>        | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN   |
| DIXIE-LEE AARON-ET |            | US000002071864                 |
| US000002265005     | <b>PGD</b> | DIXIE-LEE ASPEN-ET             |
| LU-009             |            | US000014889171                 |
| <b>Dam</b>         | <b>MGS</b> | LOGANWAY NED BOY BELLE BANG-ET |
| SK000044225904     |            | US000002009256                 |
|                    | <b>MGD</b> | SANNI 96                       |
|                    |            | DE001020981762                 |

|                             |            |           |     |       |      |      |       |            |       |
|-----------------------------|------------|-----------|-----|-------|------|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 173 | Daug. | 3642 | Rel. | 99 %  | <b>SPI</b> | -800  |
| Number controls             |            | <b>BV</b> |     | Milk  |      | Fat  | %     | Prot.      | %     |
| <b>68932</b>                |            |           |     | -87   |      | -14  | -0,21 | -5         | -0,05 |
|                             |            |           |     |       |      |      |       | <b>SCS</b> | 3,08  |
|                             |            |           |     |       |      |      |       | rank       | 600.  |
|                             |            |           |     |       |      |      |       | rank       | 638.  |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 77 / 27 | Daug. | 480 | 79,0 | Rel. | 97 % | <b>TYPE</b> | 0,63 |
|                  |             |       |         |       |     |      |      |      | rank        | 259. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,01  |    |    |   |    |    |
| Angularity            | -0,29 |    |    |   |    |    |
| Chest Width           | 0,56  |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    |    |
| Teat Length           | -0,38 |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | 0,32  |    |    |   |    |    |
| Rump Width            | 1,15  |    |    |   |    |    |
| Rear Legs Rear View   | 0,40  |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,5 | <b>Frame</b> | <b>0,53</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,6 | <b>Dairy Streight</b> | <b>-0,14</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,9 | <b>Feet &amp; Legs</b> | <b>1,36</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,6 | <b>Udder</b> | <b>0,34</b> |
|------|--------------|-------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>1,0</b> |
|--|------------|------------|

rank 363.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                       |
|-----------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>            | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>KERNDT EMEY ELITE-ET</b> | <b>US000207497878</b>             | <b>18.02.2004</b> | <b>MED-016</b>        |
| Country of origin           | US                                | <b>Breed</b>      | H100                  |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                             |                                   | Paternity         | 27.09.2004            |
|                             |                                   | CA                | DC126126              |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | RICECREST EMERSON-ET        |
| KERNDT MATTIE EMEY-ET    |            | US000002271271              |
| US000207182897           | <b>MGD</b> | KERNDT MEXIE REMARK MATTIE  |
|                          |            | US000017045274              |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.      | <b>1083</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>929</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 259.        |
| <b>23346</b>                |            |           |           | <b>185</b> |             | <b>-2</b> | <b>-0,17</b> | <b>11</b>  | <b>0,11</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>3,37</b> |
|                             |            |           |           |            |             |           |              | rank       | 1004.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>56 / 18</b> | Daug. | <b>383</b> | 80,2 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,63</b> |
|                  |             |       |                |       |            |      |      | rank        | 260.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,12 |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,52  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | -0,67 |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | 1,38  |    |    |   |    |    |
| Teat Length           | -0,20 |    |    |   |    |    |
| Rear Udder Height     | -0,37 |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | 0,43  |    |    |   |    |    |
| Udder Depth           | 0,15  |    |    |   |    |    |
| Rump Width            | 0,42  |    |    |   |    |    |
| Rear Legs Rear View   | -0,13 |    |    |   |    |    |
| Rear Teat Placement   | 0,44  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | 0,37  |    |    |   |    |    |

daught. average

|      |                        |             |
|------|------------------------|-------------|
| 84,2 | <b>Frame</b>           | <b>0,25</b> |
| 81,3 | <b>Dairy Strength</b>  | <b>0,37</b> |
| 81,5 | <b>Feet &amp; Legs</b> | <b>0,63</b> |
| 77,0 | <b>Udder</b>           | <b>0,53</b> |
|      | <b>SHI</b>             | <b>53,2</b> |
|      | rank                   | 195.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>STEEPLEHIGH-I C C RIDLER</b> | <b>CA000006817117</b> | <b>06.06.1997</b> | <b>RUH-008</b> |
| Country of origin               | CA                    | <b>Breed</b>      | H100           |
| Distributor                     | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                 |                       | Paternity         | 17.10.1997     |
|                                 |                       | CAN               | BT404561       |

### Pedigree

|                           |            |                           |         |
|---------------------------|------------|---------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| STARTMORE RUDOLPH-ET      |            | CA000000383622            | STB-011 |
| CA000005470579            | <b>PGD</b> | STARTMORE RACHELLE-ET     |         |
| ARS-015                   |            | CA000004324253            |         |
| <b>Dam</b>                | <b>MGS</b> | MARK CJ GILBROOK GRAND-ET |         |
| CHERRY CREST GRAND CANYON |            | CA000000393207            | WLK-023 |
| CA000006019089            | <b>MGD</b> | CHERRY CREST CRIMSON      |         |
|                           |            | CA000004392108            |         |

|                             |            |           |    |             |     |          |             |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 23 | Daug.       | 182 | Rel.     | 95 %        | <b>SPI</b> | <b>-1522</b> |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat      | %           | Prot.      | %            |
| <b>3024</b>                 |            |           |    | <b>-420</b> |     | <b>4</b> | <b>0,39</b> | <b>-16</b> | <b>-0,08</b> |
|                             |            |           |    |             |     |          |             | <b>SCS</b> | <b>2,87</b>  |
|                             |            |           |    |             |     |          |             | rank       | 769.         |
|                             |            |           |    |             |     |          |             | rank       | 358.         |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 5 | Daug. | 31 | 79,5 | Rel. | 72 % | <b>TYPE</b> | <b>0,63</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 261.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | 0,68  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,15 |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,70 |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | -0,40 |    |    |   |    |    |
| Central Ligament      | 0,32  |    |    |   |    |    |
| Udder Depth           | 0,38  |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | 0,43  |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | 0,25  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

82,4 **Frame** **0,49**

80,5 **Dairy Strength** **1,58**

79,8 **Feet & Legs** **-0,34**

77,4 **Udder** **0,03**

**SHI** **-20,9**

rank 430.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>CROCKETT-ACRES ENVOY-ET</b> | <b>US000135340224</b> | <b>08.03.2003</b> | <b>FOM-030</b> |
| Country of origin              | US                    | <b>Breed</b>      | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                |                       | Paternity         | 09.05.2008     |
|                                |                       | CA                | DC206968       |

### Pedigree

|                              |            |                              |
|------------------------------|------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | SHEN-VAL NV LM FORMATION-ET  |
| OPSAL FINLEY-ET              |            | US000002163822 LAD-009       |
| US000120780521               | <b>PGD</b> | DE-SU OPSAL ETHAN FIONA-ET   |
|                              |            | US000015788871               |
| <b>Dam</b>                   | <b>MGS</b> | CAROL PRELUDE MTOTO-ET       |
| CROCKETT-ACRES MTOTO ELLY-ET |            | IT006001001962               |
| US000207184095               | <b>MGD</b> | WAUREGAN RUDOLPH ELLY MAE-ET |
|                              |            | CA000006931116               |

|                             |            |           |           |            |            |              |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>10</b> | Daug.      | <b>101</b> | Rel.         | <b>92 %</b> | <b>SPI</b> | <b>-586</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.        |             | rank       | 552.        |
| <b>1439</b>                 |            |           |           | <b>-80</b> | <b>-12</b> | <b>-0,19</b> | <b>-2</b>   | <b>SCS</b> | <b>3,05</b> |
|                             |            |           |           |            |            |              |             | rank       | 599.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 1</b> | Daug. | <b>28</b> | 79,8 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>0,62</b> |
|                  |             |       |              |       |           |      |      | rank        | 262.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | 0,52  |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | -0,76 |    |    |   |    |    |
| Rear Legs Side View   | 1,17  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,45  |    |    |   |    |    |
| Front Teat Placement  | 0,48  |    |    |   |    |    |
| Teat Length           | -0,19 |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,28  |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | 0,71  |    |    |   |    |    |
| Rump Width            | 0,31  |    |    |   |    |    |
| Rear Legs Rear View   | -0,57 |    |    |   |    |    |
| Rear Teat Placement   | 0,48  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,43 |    |    |   |    |    |

daught. average

84,5 **Frame** **0,30**

80,9 **Dairy Strength** **0,40**

79,5 **Feet & Legs** **-0,30**

77,0 **Udder** **0,88**

**SHI** **7,3**

rank 345.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>HYLLTOP PRESLEY-RED-ET</b> | <b>CA00009781382</b>              | <b>23.02.2008</b> | <b>BS-057</b>  |
| Country of origin             | CA                                | <b>Breed</b>      | R100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 28.10.2008     |
|                               |                                   | US                | DC218588       |

### Pedigree

|                          |            |                         |
|--------------------------|------------|-------------------------|
| <b>Sire</b>              | <b>PGS</b> | MARKIM THUNDER          |
| DUDOC MR BURNS-ET        |            | US000017144785          |
| CA000100745543           | <b>PGD</b> | GRANDUC MAGGIE STORM-ET |
| BS-047                   |            | CA000006873895          |
| <b>Dam</b>               | <b>MGS</b> | GEN-I-BEQ SALTO-ET      |
| LORKA SALTO PIATA-RED-ET |            | CA000009243546          |
| CA000103127001           | <b>MGD</b> | DUDOC JLT PONTAGE-ET    |
|                          |            | CA000009286558          |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>42</b> | Daug.      | <b>590</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>1699</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 136.        |
| <b>5510</b>                 |            |           |           | <b>151</b> |            | <b>23</b> | <b>0,31</b> | <b>SCS</b> | <b>3,02</b> |
|                             |            |           |           |            |            | <b>13</b> | <b>0,18</b> | rank       | 560.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 9</b> | Daug. | <b>128</b> | 80,7 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,62</b> |
|                  |             |       |               |       |            |      |      | rank        | 263.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,31  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | -0,18 |    |    |   |    |    |
| Foot Angle            | 0,34  |    |    |   |    |    |
| Fore Udder Attachment | -0,18 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | -1,12 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,27 |    |    |   |    |    |
| Central Ligament      | -0,65 |    |    |   |    |    |
| Udder Depth           | 0,34  |    |    |   |    |    |
| Rump Width            | 0,92  |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | -0,65 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

85,1 **Frame** **2,01**

81,7 **Dairy Strength** **0,23**

82,0 **Feet & Legs** **-0,24**

77,5 **Udder** **-0,39**

**SHI** **76,1**

rank 134.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>DYNAMIT</b>           | <b>CZ000104793181</b>                    | <b>10.01.1999</b> | <b>BES-001</b>        |
| <b>Country of origin</b> | <b>CZ</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>09.02.2000</b>     |
|                          |  | <b>CSK</b>        | <b>4752/27</b>        |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | HANOVERHILL STARBUCK |
| BESNE-BUCK     |            | CA000000352790       |
| FR004486041658 | <b>PGD</b> | LENTILLE 835         |
|                |            | FR004485001325       |
| <b>Dam</b>     | <b>MGS</b> | BERLIOZ              |
|                |            | FR003586049301       |
| CZ000091354161 | <b>MGD</b> | 90278/161            |
|                |            | FR004993013204       |

|                             |                   |              |            |              |              |              |             |            |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>44</b>  | <b>Daug.</b> | <b>109</b>   | <b>Rel.</b>  | <b>94 %</b> | <b>SPI</b> | <b>-389</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     |             | rank       | 507.        |
| <b>2367</b>                 |                   | <b>-82</b>   | <b>-2</b>  | <b>0,02</b>  | <b>-4</b>    | <b>-0,03</b> |             | <b>SCS</b> | <b>2,88</b> |
|                             |                   |              |            |              |              |              |             | rank       | 364.        |

|                  |                    |              |              |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>6 / 5</b> | <b>Daug.</b> | <b>21</b> | <b>77,7</b> | <b>Rel.</b> | <b>61 %</b> | <b>TYPE</b> | <b>0,62</b> |
|                  |                    |              |              |              |           |             |             |             | rank        | 264.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,15  |    |    |   |    |    |
| Angularity            | -0,08 |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,10  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | 0,41  |    |    |   |    |    |
| Teat Length           | 0,14  |    |    |   |    |    |
| Rear Udder Height     | -0,67 |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | 0,21  |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | 0,73  |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | 0,24  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Frame</b>           | <b>1,88</b>  |
| 76,2 | <b>Dairy Strength</b>  | <b>0,38</b>  |
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,20</b>  |
| 76,1 | <b>Udder</b>           | <b>-0,45</b> |
|      | <b>SHI</b>             | <b>13,0</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>VEEMAN-DAIRY PAW RANGER-ET</b> | <b>US000018058022</b>             | <b>04.12.1997</b> | <b>PAW-001</b> |
| Country of origin                 | US                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 26.08.2002     |
|                                   |                                   | USA               | DNA            |

### Pedigree

|  |            |  |         |
|--|------------|--|---------|
| <b>Sire</b>                                      | <b>PGS</b> | MADAWASKA AEROSTAR<br>CA000000383622   | STB-011 |
| PARKER AERO WADE-ET<br>US000002182318<br>ARS-020 | <b>PGD</b> | PARKER MARK AMARA-ET<br>US000012714936 |         |
| <b>Dam</b>                                       | <b>MGS</b> | EXRANCO THOR<br>US000001883228         |         |
| SCIENTIFIC THOR ROSELYN-ET<br>US000015178107     | <b>MGD</b> | HANOVERHILL TONY RAE<br>CA000004309495 |         |

|                             |              |           |            |       |             |      |             |            |              |
|-----------------------------|--------------|-----------|------------|-------|-------------|------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017   | Herds     | <b>164</b> | Daug. | <b>4363</b> | Rel. | <b>99 %</b> | <b>SPI</b> | <b>-376</b>  |
| Number controls             | <b>80018</b> | <b>BV</b> |            | Milk  | <b>-101</b> | Fat  | <b>-4</b>   | %          | <b>-0,02</b> |
|                             |              | Prot.     | <b>-2</b>  | %     | <b>0,02</b> | rank |             | <b>SCS</b> | <b>3,58</b>  |
|                             |              |           |            |       |             | rank |             |            | 1152.        |

|                  |             |       |                 |       |             |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|-------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>153 / 40</b> | Daug. | <b>1440</b> | 79,0 | Rel. | <b>99 %</b> | <b>TYPE</b> | <b>0,62</b> |
|                  |             |       |                 |       |             |      |      |             | rank        | 265.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,07 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | -0,13 |    |    |   |    |    |
| Fore Udder Attachment | 0,56  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | 0,56  |    |    |   |    |    |
| Rear Udder Width      | 0,56  |    |    |   |    |    |
| Central Ligament      | 0,28  |    |    |   |    |    |
| Udder Depth           | -0,39 |    |    |   |    |    |
| Rump Width            | -0,45 |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,70  |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,7 | <b>Frame</b>           | <b>0,00</b>  |
| 78,7 | <b>Dairy Strength</b>  | <b>-0,47</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,15</b>  |
| 78,1 | <b>Udder</b>           | <b>1,50</b>  |
|      | <b>SHI</b>             | <b>13,3</b>  |
|      | rank                   | 319.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>BLACKLAND</b> | <b>FR004509626937</b> | <b>01.09.2006</b> | <b>MNA-014</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 26.06.2007 |
|                   |                                   | FR           | F/S401050  |

### Pedigree

|                    |            |                             |         |
|--------------------|------------|-----------------------------|---------|
| <b>Sire</b>        | <b>PGS</b> | ETAZON ADDISON-ET           |         |
| VEAZLAND MARION-ET |            | NL000839380546              |         |
| US000130153294     | <b>PGD</b> | VEAZLAND FORMATION MISSA-ET |         |
|                    |            | US000017346766              |         |
| <b>Dam</b>         | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET    |         |
| VOLKA EHB          |            | US000122358313              | MED-012 |
| FR004509624743     | <b>MGD</b> | SAMBA EHB                   |         |
|                    |            | FR004509621468              |         |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>63</b> | Daug.      | <b>597</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>3188</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 31.         |
| <b>11796</b>                |            |           |           | <b>752</b> |            | <b>27</b> | <b>-0,03</b> | <b>SCS</b> | <b>3,23</b> |
|                             |            |           |           |            |            | <b>22</b> | <b>-0,04</b> | rank       | 825.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>45 / 15</b> | Daug. | <b>180</b> | 80,1 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,61</b> |
|                  |             |       |                |       |            |      |      | rank        | 266.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,64  |    |    |   |    |    |
| Angularity            | -0,81 |    |    |   |    |    |
| Chest Width           | 1,41  |    |    |   |    |    |
| Body Depth            | 0,87  |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | -0,84 |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | -0,73 |    |    |   |    |    |
| Front Teat Placement  | 1,20  |    |    |   |    |    |
| Teat Length           | 0,96  |    |    |   |    |    |
| Rear Udder Height     | -0,80 |    |    |   |    |    |
| Rear Udder Width      | 0,82  |    |    |   |    |    |
| Central Ligament      | -0,10 |    |    |   |    |    |
| Udder Depth           | -2,04 |    |    |   |    |    |
| Rump Width            | 1,69  |    |    |   |    |    |
| Rear Legs Rear View   | 0,59  |    |    |   |    |    |
| Rear Teat Placement   | 0,76  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | 0,60  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,2 | <b>Frame</b> | <b>1,90</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,2 | <b>Dairy Strength</b> | <b>0,12</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,7 | <b>Feet &amp; Legs</b> | <b>1,61</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,2 | <b>Udder</b> | <b>-1,23</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>120,7</b> |
|--|------------|--------------|

rank 56.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>FLEURY MATHYS-ET</b> | <b>CA000103439288</b> | <b>29.11.2005</b> | <b>GAD-008</b> |
| Country of origin       | CA                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 19.09.2006     |
|                         |                       | CA                | DC169248       |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | SHOREMAR JAMES              |
| BRAEDALE GOLDWYN-ET      |            | CA000005902195              |
| CA000010705608           | <b>PGD</b> | BRAEDALE BALER TWINE-ET     |
| GAD-002                  |            | CA000006860888              |
| <b>Dam</b>               | <b>MGS</b> | RICECREST EMERSON-ET        |
| FLUERY EMERSON MELINE-ET |            | US000002271271              |
| CA000009306493           | <b>MGD</b> | WILLSONA MEGABUCK MAXINE-ET |
|                          |            | CA000006716287              |

|                             |            |           |           |             |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>42</b> | Daug.       | <b>690</b> | Rel.     | <b>98 %</b> | <b>SPI</b> | <b>-121</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat      | %           | Prot.      | %           |
| <b>9085</b>                 |            |           |           | <b>-146</b> |            | <b>1</b> | <b>0,12</b> | <b>1</b>   | <b>0,11</b> |
|                             |            |           |           |             |            |          |             | <b>SCS</b> | <b>2,77</b> |
|                             |            |           |           |             |            |          |             | rank       | 253.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 8</b> | Daug. | <b>104</b> | 81,0 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>0,60</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 267.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | -0,61 |    |    |   |    |    |
| Rump Angle            | 0,13  |    |    |   |    |    |
| Rear Legs Side View   | 0,40  |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | 0,91  |    |    |   |    |    |
| Front Teat Placement  | -0,01 |    |    |   |    |    |
| Teat Length           | -0,21 |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 1,36  |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | 0,53  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | -0,12 |    |    |   |    |    |

daught. average

84,6 **Frame** **0,63**

81,6 **Dairy Strength** **-0,42**

83,1 **Feet & Legs** **0,30**

78,0 **Udder** **0,67**

**SHI** **20,4**

rank 291.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>DELIAL</b>            | <b>FR005644501696</b>                    | <b>05.03.1999</b> | <b>DED-001</b>        |
| <b>Country of origin</b> | <b>FR</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>02.08.1999</b>     |
|                          |  | <b>FRA</b>        | <b>5644501696</b>     |

### Pedigree

|                             |                |                                       |
|-----------------------------|----------------|---------------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | <b>ROTHROCK TRADITION LEADMAN</b>     |
| PAULO-BRO RTL DEMAND TCG-ET | US000001983348 | TDN-004                               |
| US000002193272              | <b>PGD</b>     | <b>PAULO-BRO MARK DELIGHT 3206-ET</b> |
|                             | US000012798676 |                                       |
| <b>Dam</b>                  | <b>MGS</b>     | <b>SKALSUMER SUNNY BOY-ET</b>         |
| IDEALE                      | NL000311651443 |                                       |
| FR005693018800              | <b>MGD</b>     | <b>DAYLIGHT</b>                       |
|                             | FR005688039444 |                                       |

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>45</b>  | <b>Daug.</b> | <b>92</b>    | <b>Rel.</b>  | <b>93 %</b> | <b>SPI</b>  | <b>2448</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> | <b>66.</b>  |             |
| <b>1731</b>                 |                   | <b>648</b>   | <b>15</b>  | <b>-0,17</b> | <b>18</b>    | <b>-0,05</b> | <b>SCS</b>  | <b>3,34</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              | <b>rank</b> | <b>965.</b> |             |

|                  |                    |              |                |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|----------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>19 / 14</b> | <b>Daug.</b> | <b>35</b> | <b>77,7</b> | <b>Rel.</b> | <b>73 %</b> | <b>TYPE</b> | <b>0,60</b> |
|                  |                    |              |                |              |           |             | <b>rank</b> | <b>268.</b> |             |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,18 |    |    |   |    |    |
| Angularity            | 0,88  |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | -0,39 |    |    |   |    |    |
| Rump Angle            | 0,12  |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,76 |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | 0,75  |    |    |   |    |    |
| Rear Udder Width      | 0,81  |    |    |   |    |    |
| Central Ligament      | 0,64  |    |    |   |    |    |
| Udder Depth           | -0,46 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | -0,02 |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | -0,59 |    |    |   |    |    |

daught. average

|             |              |              |
|-------------|--------------|--------------|
| <b>79,0</b> | <b>Frame</b> | <b>-0,50</b> |
|-------------|--------------|--------------|

|             |                       |             |
|-------------|-----------------------|-------------|
| <b>78,0</b> | <b>Dairy Strength</b> | <b>1,59</b> |
|-------------|-----------------------|-------------|

|             |                        |             |
|-------------|------------------------|-------------|
| <b>78,0</b> | <b>Feet &amp; Legs</b> | <b>0,41</b> |
|-------------|------------------------|-------------|

|             |              |             |
|-------------|--------------|-------------|
| <b>76,8</b> | <b>Udder</b> | <b>0,57</b> |
|-------------|--------------|-------------|

|            |             |
|------------|-------------|
| <b>SHI</b> | <b>97,9</b> |
|------------|-------------|

rank 90.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                     |                                   |                   |                |
|---------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number               | Birth date        | State Register |
| <b>MARS BRANDUS</b> | <b>NL000362231311</b>             | <b>30.06.2003</b> | <b>RMB-001</b> |
| Country of origin   | NL                                | <b>Breed</b>      | H100           |
| Distributor         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                     |                                   | Paternity         | 29.09.2003     |
|                     |                                   | NLD               | 104502         |

### Pedigree

|                |            |                 |
|----------------|------------|-----------------|
| <b>Sire</b>    | <b>PGS</b> | NEWHOUSE RONALD |
| REMBRANDT      |            | NL000777430664  |
| NL000162272824 | <b>PGD</b> | JANNA 209       |
|                |            | NL000612462346  |
| <b>Dam</b>     | <b>MGS</b> | DELTA NOVALIS   |
| FROUKJE 277    |            | NL000817118723  |
| NL000226625548 | <b>MGD</b> | FROUKJE 219     |
|                |            | NL000838621088  |

|                             |            |           |           |             |           |             |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>76</b> | Rel.        | <b>90 %</b> | <b>SPI</b> | <b>951</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Prot.       |             | rank       | 256.        |
| <b>1574</b>                 |            |           |           | <b>-226</b> | <b>26</b> | <b>0,67</b> | <b>9</b>    | <b>SCS</b> | <b>3,07</b> |
|                             |            |           |           |             |           |             |             | rank       | 624.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 10</b> | Daug. | <b>21</b> | 79,0 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>0,60</b> |
|                  |             |       |                |       |           |      |      | rank        | 269.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | 0,41  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | -1,03 |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,78  |    |    |   |    |    |
| Teat Length           | -0,09 |    |    |   |    |    |
| Rear Udder Height     | 0,65  |    |    |   |    |    |
| Rear Udder Width      | 1,02  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | 0,95  |    |    |   |    |    |
| Rump Width            | 0,18  |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,36 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,5 | <b>Frame</b>           | <b>-0,46</b> |
| 79,5 | <b>Dairy Strength</b>  | <b>0,59</b>  |
| 78,0 | <b>Feet &amp; Legs</b> | <b>-0,07</b> |
| 78,0 | <b>Udder</b>           | <b>0,71</b>  |
|      | <b>SHI</b>             | <b>52,7</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>WELCOME GENOMICS-ET</b> | <b>US000064519111</b>             | <b>22.05.2008</b> | <b>EMY-025</b> |
| Country of origin          | US                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 20.04.2009     |
|                            |                                   | US                | M09051803      |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | FUSTEAD EMORY BLITZ-ET      |
| EMERALD-ACR-SA T-BAXTER |            | US000017013604              |
| US000132973942          | <b>PGD</b> | EMERALD-ACR-SA T-MALLORY-ET |
| EMY-019                 |            | US000130227821              |
| <b>Dam</b>              | <b>MGS</b> | BO-IRISH ALTON-ET           |
| WELCOME ALTON GINNI-ET  |            | US000131102143              |
| US000062851367          | <b>MGD</b> | WELCOME ORION GINETTE       |
|                         |            | US000060512217              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 84  | Rel. | 86 %  | <b>SPI</b> | 4434       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 557                         |            |           |    | 1023  | 46  | 0,10 | 27    | -0,09      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 9.         |
|                             |            |           |    |       |     |      |       |            | 2,29       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 25.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 18 | 81,6 | Rel. | 57 % | <b>TYPE</b> | 0,60 |
|                  |             |       |        |       |    |      |      |      | rank        | 270. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,84  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | 0,48  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | 1,00  |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | 0,50  |    |    |   |    |    |
| Central Ligament      | 1,47  |    |    |   |    |    |
| Udder Depth           | -0,29 |    |    |   |    |    |
| Rump Width            | -0,21 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | 0,62  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,33 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 84,7 | <b>Frame</b> | 1,01 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,1 | <b>Dairy Strength</b> | 0,22 |
|------|-----------------------|------|

|      |                        |      |
|------|------------------------|------|
| 82,8 | <b>Feet &amp; Legs</b> | 0,33 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 79,6 | <b>Udder</b> | 0,45 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 157,6 |
|--|------------|-------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LUX ET</b>     | <b>DE000015217337</b>             | <b>29.09.1992</b> | <b>LAD-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.03.1993     |
|                   |                                   | DEU               | 93/4314        |

### Pedigree

|                            |            |                          |
|----------------------------|------------|--------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION    |
| ROTHROCK TRADITION LEADMAN |            | US000001682485           |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA  |
| TDN-004                    |            | US000010930744           |
| <b>Dam</b>                 | <b>MGS</b> | FISHER-PLACE MANDINGO-ET |
| ILMANDY                    |            | US000001810969           |
| DE000045546646             | <b>MGD</b> | ILSA                     |
|                            |            | DE000503388641           |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 120 | Rel. | 94 % | <b>SPI</b> | -2103       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | rank       | 896.        |
| <b>2583</b>                 |            |           |    | -648  |     | -11  | 0,29 | <b>SCS</b> | <b>2,64</b> |
|                             |            |           |    |       |     |      | -14  | rank       | 145.        |
|                             |            |           |    |       |     |      | 0,14 |            |             |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 8 | Daug. | 27 | 76,7 | Rel. | 68 % | <b>TYPE</b> | 0,59 |
|                  |             |       |        |       |    |      |      | rank | 271.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,03 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | 0,31  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | 0,69  |    |    |   |    |    |
| Fore Udder Attachment | -0,13 |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | -0,23 |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | 0,37  |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | -0,39 |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

77,6 **Frame** **0,17**

75,0 **Dairy Strength** **0,72**

77,6 **Feet & Legs** **0,50**

76,7 **Udder** **0,55**

**SHI** **-39,7**

rank 481.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>HUYBEN S RED DEVIL</b> | <b>NL000343663689</b>             | <b>28.09.2002</b> | <b>MNA-018</b> |
| Country of origin         | NL                                | <b>Breed</b>      | R100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 04.04.2003     |
|                           |                                   | NL                | 90498          |

### Pedigree

|                    |            |                   |
|--------------------|------------|-------------------|
| <b>Sire</b>        | <b>PGS</b> | ETAZON ADDISON-ET |
| ETEZON LAS VEGAS   |            | NL000839380546    |
| NL000262872096     | <b>PGD</b> | MARIONETT-ET      |
|                    |            | FR003596064948    |
| <b>Dam</b>         | <b>MGS</b> | SUBLIEM TULIP RED |
| HUIJBEN PIETJE 514 |            | NL000815222426    |
| NL000256660889     | <b>MGD</b> | ALM PIETJE 513    |
|                    |            | NL000139312058    |

NIK-001

|                             |            |           |           |             |             |             |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>45</b> | Daug.       | <b>1024</b> | Rel.        | <b>99 %</b> | <b>SPI</b> | <b>-357</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Prot.       |             | rank       | 495.        |
| <b>17999</b>                |            |           |           | <b>-191</b> | <b>3</b>    | <b>0,19</b> | <b>-3</b>   | <b>SCS</b> | <b>3,36</b> |
|                             |            |           |           |             |             |             |             | rank       | 991.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>33 / 9</b> | Daug. | <b>295</b> | 79,7 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,59</b> |
|                  |             |       |               |       |            |      |      | rank        | 272.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,25  |    |    |   |    |    |
| Angularity            | -0,14 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,91  |    |    |   |    |    |
| Teat Length           | 0,09  |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | 0,92  |    |    |   |    |    |
| Central Ligament      | -0,53 |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,66  |    |    |   |    |    |
| Rear Teat Placement   | 1,04  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,8 | <b>Frame</b>           | <b>0,41</b>  |
| 80,4 | <b>Dairy Strength</b>  | <b>-0,63</b> |
| 81,1 | <b>Feet &amp; Legs</b> | <b>1,33</b>  |
| 76,7 | <b>Udder</b>           | <b>0,57</b>  |
|      | <b>SHI</b>             | <b>12,9</b>  |
|      | rank                   | 321.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>BEUKENHOF 360 SEDAN</b> | <b>NL000484935263</b> | <b>22.06.2007</b> | <b>ORK-004</b> |
| Country of origin          | NL                    | <b>Breed</b>      | R100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 10.10.2007     |
|                            |                       | NL                | 159467         |

### Pedigree

|                    |            |                           |         |
|--------------------|------------|---------------------------|---------|
| <b>Sire</b>        | <b>PGS</b> | CREYHORST CLOR 2          |         |
| LOWLANDS FABIAN    |            | NL000143254005            | ORK-001 |
| NL000336388427     | <b>PGD</b> | FLORA                     |         |
|                    |            | NL000256086612            |         |
| <b>Dam</b>         | <b>MGS</b> | LADINO PARK TALENT-IMP-ET |         |
| BEUKENHOF ANITA 14 |            | AU000000930377            |         |
| NL000429133422     | <b>MGD</b> | BEUKENHOF ANITA 6         |         |
|                    |            | NL000361731360            |         |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 627 | Rel. | 98 % | <b>SPI</b> | 34   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| <b>6308</b>                 |            |           |    | -175  |     | -0   | 0,12 | 4          | 0,22 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,23 |
|                             |            |           |    |       |     |      |      | rank       | 419. |
|                             |            |           |    |       |     |      |      | rank       | 828. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 6 | Daug. | 98 | 81,1 | Rel. | 86 % | <b>TYPE</b> | 0,59 |
|                  |             |       |        |       |    |      |      |      | rank        | 273. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,37 |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | -0,17 |    |    |   |    |    |
| Rear Legs Side View   | 0,23  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,31  |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | -0,24 |    |    |   |    |    |
| Rear Udder Height     | 0,45  |    |    |   |    |    |
| Rear Udder Width      | 0,27  |    |    |   |    |    |
| Central Ligament      | 0,28  |    |    |   |    |    |
| Udder Depth           | 0,57  |    |    |   |    |    |
| Rump Width            | 0,25  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,03  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 83,3 | <b>Frame</b>           | -0,03 |
| 82,2 | <b>Dairy Strength</b>  | 0,09  |
| 82,8 | <b>Feet &amp; Legs</b> | 0,28  |
| 78,7 | <b>Udder</b>           | 0,94  |
|      | <b>SHI</b>             | 24,5  |
|      | rank                   | 273.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>BONHILL WARRIOR</b> | <b>NL000420284466</b>             | <b>18.05.2005</b> | <b>SOG-009</b> |
| Country of origin      | NL                                | <b>Breed</b>      | R100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 03.05.2006     |
|                        |                                   | NL                | 142196         |

### Pedigree

|                 |            |                 |
|-----------------|------------|-----------------|
| <b>Sire</b>     | <b>PGS</b> | KOERIER 114     |
| TACO            |            | NL000846833002  |
| NL000255707705  | <b>PGD</b> | SABINA 15       |
|                 |            | NL000144490477  |
| <b>Dam</b>      | <b>MGS</b> | NEWHOUSE RONALD |
| BONHILL WARSI 1 |            | NL000777430664  |
| NL000222577788  | <b>MGD</b> | BONHILL WARSI   |
|                 |            | NL000174476236  |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 88  | Rel. | 92 %  | <b>SPI</b> | -1480      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1787</b>                 |            |           |    | -660  | -9  | 0,33 | -5    | 0,38       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 756.       |
|                             |            |           |    |       |     |      |       |            | 3,00       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 545.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 13 | 78,0 | Rel. | 56 % | <b>TYPE</b> | 0,58 |
|                  |             |       |       |       |    |      |      |      | rank        | 274. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,73  |    |    |   |    |    |
| Angularity            | -0,59 |    |    |   |    |    |
| Chest Width           | 0,70  |    |    |   |    |    |
| Body Depth            | 0,76  |    |    |   |    |    |
| Rump Angle            | -0,30 |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | -0,53 |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | 1,52  |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | 0,78  |    |    |   |    |    |
| Central Ligament      | -0,49 |    |    |   |    |    |
| Udder Depth           | -1,76 |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 1,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | 0,99  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 83,3 | <b>Frame</b>           | 1,63  |
| 79,2 | <b>Dairy Strength</b>  | 0,01  |
| 79,5 | <b>Feet &amp; Legs</b> | 0,51  |
| 73,8 | <b>Udder</b>           | -0,53 |
|      | <b>SHI</b>             | -21,4 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                      |                   |                |
|----------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number  | Birth date        | State Register |
| <b>BELFAST GANGSTER-ET</b> | <b>CA00000390998</b> | <b>08.10.1986</b> | <b>STB-017</b> |
| Country of origin          | CA                   | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.       | Herdbook          | HA             |
|                            |                      | Paternity         |                |

### Pedigree

|                         |            |                               |
|-------------------------|------------|-------------------------------|
| <b>Sire</b>             | <b>PGS</b> | ROUND OAK RAG APPLE ELEVATION |
| HANOVERHILL STARBUCK    |            | US000001491007                |
| CA000000352790          | <b>PGD</b> | ANACRES ASTRONAUT IVANHOE     |
|                         |            | US000008018046                |
| <b>Dam</b>              | <b>MGS</b> | BRIARWOOD CHIEFTAIN           |
| BELFAST CHIEFTAIN TOPSY |            | CA000000308045                |
| CA0000003130299         | <b>MGD</b> | BELFAST TRIUNE PROVINCIAL     |
|                         |            | CA000002771580                |

|                             |            |           |            |             |             |            |              |             |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>175</b> | Daug.       | <b>2766</b> | Rel.       | <b>99 %</b>  | <b>SPI</b>  | <b>-3201</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %            | Prot.       | %            |
| <b>47462</b>                |            |           |            | <b>-668</b> |             | <b>-27</b> | <b>-0,05</b> | <b>-24</b>  | <b>-0,08</b> |
|                             |            |           |            |             |             |            |              | <b>rank</b> | 1115.        |
|                             |            |           |            |             |             |            |              | <b>SCS</b>  | <b>3,76</b>  |
|                             |            |           |            |             |             |            |              | rank        | 1210.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>30 / 17</b> | Daug. | <b>99</b> | 76,8 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,58</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 275.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,45  |    |    |   |    |    |
| Angularity            | -0,25 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,79  |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,61  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | -0,41 |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | 0,40  |    |    |   |    |    |
| Udder Depth           | -0,76 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,24 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

80,3 **Frame** **0,81**

73,6 **Dairy Strength** **0,06**

76,6 **Feet & Legs** **-0,55**

76,7 **Udder** **0,67**

**SHI** **-73,3**

rank 561.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>SKALSUMER BOAZ</b> | <b>NL000414571903</b> | <b>28.03.2005</b> | <b>LUS-010</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 26.07.2006 |
|                   |                                   | NL           | 145366     |

### Pedigree

|                      |            |                      |
|----------------------|------------|----------------------|
| <b>Sire</b>          | <b>PGS</b> | LUKAS                |
| LANCELOT-ET          |            | DE001012104370       |
| DE000578194407       | <b>PGD</b> | DINA                 |
| LUS-011              |            | DE001015276447       |
| <b>Dam</b>           | <b>MGS</b> | OLMO PRELUDE TUGOLO  |
| SKALSUMER PIETJE 604 |            | IT000908017670       |
| NL000263772317       | <b>MGD</b> | SKALSUMER PIETJE 513 |
|                      |            | NL000194165811       |

|                             |            |           |           |             |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>83</b> | Rel.      | <b>92 %</b> | <b>SPI</b> | <b>766</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       | %           | Prot.      | %           |
| <b>1395</b>                 |            |           |           | <b>-157</b> |           | <b>20</b> | <b>0,50</b> | <b>7</b>   | <b>0,26</b> |
|                             |            |           |           |             |           |           |             | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |           |             |           |           |             | rank       | 287.        |
|                             |            |           |           |             |           |           |             | rank       | 490.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 6</b> | Daug. | <b>24</b> | 79,1 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>0,58</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 276.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,22  |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | 0,25  |    |    |   |    |    |
| Body Depth            | -0,38 |    |    |   |    |    |
| Rump Angle            | 0,17  |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,20  |    |    |   |    |    |
| Front Teat Placement  | 0,64  |    |    |   |    |    |
| Teat Length           | 0,94  |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | 0,54  |    |    |   |    |    |
| Central Ligament      | -0,50 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | -0,08 |    |    |   |    |    |
| Rear Legs Rear View   | -0,76 |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 0,41  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 85,6 | <b>Frame</b>           | <b>1,47</b>  |
|                 | 79,1 | <b>Dairy Strength</b>  | <b>-0,45</b> |
|                 | 78,0 | <b>Feet &amp; Legs</b> | <b>0,37</b>  |
|                 | 76,2 | <b>Udder</b>           | <b>0,02</b>  |
|                 |      | <b>SHI</b>             | <b>46,3</b>  |
|                 |      | rank                   | 213.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| ZIMMERVIEW SHOTTLE JT-ET | US000062510183             | 19.11.2005        | PEL-043               |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.06.2006 |
|                   |                                   | US           | M06017498  |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | CAROL PRELUDE MTOTO-ET  |
| PICSTON SHOTTLE-ET         |            | IT006001001962          |
| GB000000598172             | <b>PGD</b> | CONDON AERO SHARON      |
| PEL-033                    |            | CA000005373153          |
| <b>Dam</b>                 | <b>MGS</b> | J-MOR ELTON GRANGER-ET  |
| ZIMMERVIEW GRANGER SOUP-ET |            | US000002283503          |
| US000132036599             | <b>MGD</b> | BERBEE-M ELVIN SULKY-ET |
|                            |            | US000015469615          |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 932 | Rel.  | 99 % | <b>SPI</b> | 3362 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %    |
| 12557                       |            |           |    | 862   | 26  | -0,13 | 23   | -0,08      |      |
|                             |            |           |    |       |     |       |      | <b>SCS</b> | 2,82 |
|                             |            |           |    |       |     |       |      | rank       | 25.  |
|                             |            |           |    |       |     |       |      | rank       | 318. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 38 / 17 | Daug. | 233 | 80,8 | Rel. | 94 % | <b>TYPE</b> | 0,58 |
|                  |             |       |         |       |     |      |      |      | rank        | 277. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,31  |    |    |   |    |    |
| Angularity            | 0,53  |    |    |   |    |    |
| Chest Width           | -0,41 |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | 1,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,67  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | 0,86  |    |    |   |    |    |
| Front Teat Placement  | 0,81  |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | 0,46  |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | 0,74  |    |    |   |    |    |
| Udder Depth           | 1,00  |    |    |   |    |    |
| Rump Width            | -0,06 |    |    |   |    |    |
| Rear Legs Rear View   | -0,60 |    |    |   |    |    |
| Rear Teat Placement   | 0,64  |    |    |   |    |    |
| Locomotion            | -0,02 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 84,6 | <b>Frame</b> | 0,10 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 81,5 | <b>Dairy Strength</b> | 0,17 |
|------|-----------------------|------|

|      |                        |       |
|------|------------------------|-------|
| 81,3 | <b>Feet &amp; Legs</b> | -1,20 |
|------|------------------------|-------|

|      |              |      |
|------|--------------|------|
| 78,3 | <b>Udder</b> | 1,39 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 124,5 |
|--|------------|-------|

rank 49.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>KOEPON 7799 KAPO</b> | <b>NL000722777996</b> | <b>07.10.2011</b> | <b>MED-031</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.04.2012 |
|                   |                                   | NL           | 409450     |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | O-BEE MANFRED JUSTICE-ET    |
| BADGER-BLUFF FANNY FREDDIE |            | US000122358313              |
| US000060996956             |            | MED-012                     |
|                            | <b>PGD</b> | BADGER-BLUFF FLO FANNY-TW   |
|                            |            | US000051854015              |
| <b>Dam</b>                 | <b>MGS</b> | ENSENADA TABOO PLANET-ET    |
| DONNANVIEW A PLANET SOLO   |            | US000060597003              |
| CA000009889488             |            | BS-050                      |
|                            | <b>MGD</b> | BELFAST M GOLDWYN SHELLY-ET |
|                            |            | CA000103506685              |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>92</b> | Daug.      | <b>1655</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>4332</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %           | rank       | 10.         |
| <b>14441</b>                |            |           |           | <b>908</b> |             | <b>39</b> | <b>0,06</b> | <b>SCS</b> | <b>2,73</b> |
|                             |            |           |           |            |             |           |             | rank       | 214.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>93 / 31</b> | Daug. | <b>503</b> | 81,3 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,58</b> |
|                  |             |       |                |       |            |      |      | rank        | 278.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,85  |    |    |   |    |    |
| Angularity            | 0,42  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | -0,67 |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | 0,36  |    |    |   |    |    |
| Front Teat Placement  | 0,40  |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,40  |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | 0,66  |    |    |   |    |    |
| Rump Width            | 0,25  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | 0,68  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,1 | <b>Frame</b> | <b>0,77</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,2 | <b>Dairy Strength</b> | <b>0,06</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 82,2 | <b>Feet &amp; Legs</b> | <b>-0,77</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 78,9 | <b>Udder</b> | <b>0,54</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>153,8</b> |
|--|------------|--------------|

rank 21.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>ZAEMSLACH JUNO</b> | <b>NL000394346135</b>             | <b>16.03.2005</b> | <b>MED-013</b> |
| Country of origin     | NL                                | <b>Breed</b>      | H100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 28.06.2005     |
|                       |                                   | NL                | 128382         |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | ETAZON ADDISON-ET           |
| SJOUKJE 18               |            | NL000839380546              |
| NL000287540877           | <b>MGD</b> | SJOUKJE 14                  |
|                          |            | NL000224638373              |

|                             |            |           |           |           |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.     | <b>250</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>1563</b> |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat       | %           | Prot.      | %           |
| <b>5355</b>                 |            |           |           | <b>93</b> |            | <b>23</b> | <b>0,35</b> | <b>13</b>  | <b>0,20</b> |
|                             |            |           |           |           |            |           |             | <b>SCS</b> | <b>2,80</b> |
|                             |            |           |           |           |            |           |             | rank       | 148.        |
|                             |            |           |           |           |            |           |             | rank       | 289.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 9</b> | Daug. | <b>29</b> | 79,2 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,57</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 279.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,42  |    |    |   |    |    |
| Angularity            | -0,60 |    |    |   |    |    |
| Chest Width           | 0,77  |    |    |   |    |    |
| Body Depth            | 0,68  |    |    |   |    |    |
| Rump Angle            | 0,15  |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,36  |    |    |   |    |    |
| Fore Udder Attachment | 0,20  |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | 0,18  |    |    |   |    |    |
| Rear Udder Height     | -0,50 |    |    |   |    |    |
| Rear Udder Width      | -0,41 |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | 0,24  |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | -0,20 |    |    |   |    |    |
| Locomotion            | 0,40  |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,3 | <b>Frame</b>           | <b>1,19</b>  |
| 79,6 | <b>Dairy Strength</b>  | <b>-0,05</b> |
| 79,6 | <b>Feet &amp; Legs</b> | <b>1,45</b>  |
| 76,9 | <b>Udder</b>           | <b>-0,74</b> |
|      | <b>SHI</b>             | <b>70,0</b>  |
|      | rank                   | 148.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>REGEL BACHELOR</b> | <b>US000061690982</b> | <b>17.05.2005</b> | <b>LUS-015</b> |
| Country of origin     | US                    | <b>Breed</b>      | H100           |
| Distributor           | INSEMAS s.r.o.        | Herdbook          | HA             |
|                       |                       | Paternity         | 11.01.2006     |
|                       |                       | CA                | DC153985       |

### Pedigree

|                       |            |                       |                |
|-----------------------|------------|-----------------------|----------------|
| <b>Sire</b>           | <b>PGS</b> | LUKAS                 |                |
| LAUDAN-ET             |            | DE001012104370        |                |
| DE000578448776        | <b>PGD</b> | BRISANZ 1             |                |
|                       |            | DE000576302497        |                |
| <b>Dam</b>            | <b>MGS</b> | COMESTAR STORMATIC-ET | <b>SOM-006</b> |
| REGEL STORMATIC BEATA |            | CA000006947936        |                |
| US000060425611        | <b>MGD</b> | B-V REGEL RUDWOOD BEA |                |
|                       |            | US000128772258        |                |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>24</b> | Daug.      | <b>451</b> | Rel.     | <b>98 %</b>  | <b>SPI</b> | <b>1018</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 239.        |
| <b>7443</b>                 |            |           |           | <b>258</b> |            | <b>3</b> | <b>-0,13</b> | <b>SCS</b> | <b>2,94</b> |
|                             |            |           |           |            |            | <b>9</b> | <b>0,01</b>  | rank       | 458.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 5</b> | Daug. | <b>71</b> | 80,9 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,57</b> |
|                  |             |       |               |       |           |      |      | rank        | 280.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | 0,94  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | -0,95 |    |    |   |    |    |
| Rear Legs Side View   | 0,26  |    |    |   |    |    |
| Foot Angle            | -0,18 |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | -0,45 |    |    |   |    |    |
| Teat Length           | 0,12  |    |    |   |    |    |
| Rear Udder Height     | 0,07  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 0,22  |    |    |   |    |    |
| Udder Depth           | -0,02 |    |    |   |    |    |
| Rump Width            | -0,20 |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | -0,34 |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | -0,46 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,2 | <b>Frame</b>           | <b>0,40</b>  |
| 82,7 | <b>Dairy Strength</b>  | <b>2,03</b>  |
| 82,0 | <b>Feet &amp; Legs</b> | <b>-0,74</b> |
| 77,7 | <b>Udder</b>           | <b>0,12</b>  |
|      | <b>SHI</b>             | <b>53,5</b>  |
|      | rank                   | 193.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COMESTAR LORETTO-ET</b> | <b>CA000006225584</b>      | <b>25.10.1994</b> | <b>LU-010</b>         |
| Country of origin          | CA                         | <b>Breed</b>      | H100                  |
| Distributor                | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                            |                            | Paternity         | 16.02.1995            |
|                            |                            | CAN               | 341659                |

### Pedigree

|                              |                |                             |
|------------------------------|----------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                     |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET |
| CLE-005                      | US000012365669 |                             |
| <b>Dam</b>                   | <b>MGS</b>     | HANOVERHILL RAIDER-ET       |
| COMESTAR LAURANA RAIDER-ET   | CA000000390409 |                             |
| CA000005757129               | <b>MGD</b>     | COMESTAR LAURA BLACK-ET     |
|                              | CA000005319783 |                             |

|                             |            |           |    |       |     |      |       |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 39 | Daug. | 387 | Rel. | 98 %  | <b>SPI</b> | 509  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 326. |
| <b>8085</b>                 |            |           |    | 375   |     | -2   | -0,30 | <b>SCS</b> | 3,31 |
|                             |            |           |    |       |     | 1    | -0,23 | rank       | 925. |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 10 | Daug. | 64 | 77,9 | Rel. | 86 % | <b>TYPE</b> | 0,56 |
|                  |             |       |         |       |    |      |      | rank | 281.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,78 |    |    |   |    |    |
| Angularity            | 0,17  |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | -0,16 |    |    |   |    |    |
| Rump Angle            | -0,63 |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | 0,87  |    |    |   |    |    |
| Teat Length           | 0,10  |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | -0,05 |    |    |   |    |    |
| Central Ligament      | 0,15  |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | 1,05  |    |    |   |    |    |
| Rear Teat Placement   | 0,62  |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

78,9 **Frame** -1,04

78,0 **Dairy Strength** 0,52

77,9 **Feet & Legs** 1,32

77,3 **Udder** 1,12

**SHI** 37,8

rank 240.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>JORRIELAKE</b> | <b>FR005994022703</b>             | 27.10.1994   | <b>LU-008</b>  |
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 07.10.1995     |
|                   |                                   | FRA          | 951733         |

### Pedigree

|                              |                |                             |
|------------------------------|----------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b>     | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN | US000001879085 | CLE-003                     |
| US000002071864               | <b>PGD</b>     | NORRIELAKE VALIANT CHEER-ET |
| CLE-005                      | US000012365669 |                             |
| <b>Dam</b>                   | <b>MGS</b>     | TO-MAR BLACKSTAR-ET         |
| SHEY-LAND BLACKST KARLA ET   | US000001929410 | CHR-002                     |
| US000013894019               | <b>MGD</b>     | KREST-VIEW ROTATE KELLY ET  |
|                              | US000012780131 |                             |

|                             |            |           |     |       |      |       |       |            |            |
|-----------------------------|------------|-----------|-----|-------|------|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 224 | Daug. | 4922 | Rel.  | 99 %  | <b>SPI</b> | 1204       |
| Number controls             |            | <b>BV</b> |     | Milk  | Fat  | %     | Prot. | %          | rank       |
| 96643                       |            |           |     | 494   | 0    | -0,33 | 8     | -0,15      | <b>SCS</b> |
|                             |            |           |     |       |      |       |       |            | rank       |
|                             |            |           |     |       |      |       |       |            | 1052.      |

|                  |             |       |          |       |      |      |      |      |             |      |
|------------------|-------------|-------|----------|-------|------|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 236 / 58 | Daug. | 1549 | 78,0 | Rel. | 99 % | <b>TYPE</b> | 0,56 |
|                  |             |       |          |       |      |      |      |      | rank        | 282. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,41 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | -0,40 |    |    |   |    |    |
| Body Depth            | -0,37 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | -0,87 |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | 0,97  |    |    |   |    |    |
| Udder Depth           | -1,02 |    |    |   |    |    |
| Rump Width            | 0,22  |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | 0,35  |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | -0,53 |    |    |   |    |    |

daught. average

79,4 **Frame** -0,70

77,8 **Dairy Strength** 0,39

78,7 **Feet & Legs** 1,64

77,2 **Udder** 1,02

**SHI** 58,8

rank 180.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>WINDY-KNOLL-VIEW PHOENIX-ET</b> | <b>US000062968892</b>             | <b>15.03.2006</b> | <b>GAD-003</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 13.10.2006     |
|                                    |                                   | US                | M06020327      |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | SHOREMAR JAMES             |
| BRAEDALE GOLDWYN-ET        |            | CA000005902195             |
| CA000010705608             | <b>PGD</b> | BRAEDALE BALER TWINE-ET    |
| GAD-002                    |            | CA000006860888             |
| <b>Dam</b>                 | <b>MGS</b> | COMESTAR OUTSIDE-ET        |
| WINDY-KNOLL-VIEW PLEDGE-ET |            | CA000006026421             |
| US000132816010             | <b>MGD</b> | WINDY-KNOLL-VIEW PROMIS-ET |
|                            |            | US000018049401             |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>230</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-1633</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 795.         |
| <b>4691</b>                 |            |           |           | <b>-489</b> |            | <b>-9</b>  | <b>0,18</b> | <b>SCS</b> | <b>2,68</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>0,10</b> | rank       | 171.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 13</b> | Daug. | <b>138</b> | 80,3 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,56</b> |
|                  |             |       |                |       |            |      |      | rank        | 283.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,41  |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | -1,01 |    |    |   |    |    |
| Body Depth            | -1,03 |    |    |   |    |    |
| Rump Angle            | 0,74  |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,68  |    |    |   |    |    |
| Front Teat Placement  | -0,02 |    |    |   |    |    |
| Teat Length           | -0,05 |    |    |   |    |    |
| Rear Udder Height     | 0,78  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 1,59  |    |    |   |    |    |
| Rump Width            | -0,64 |    |    |   |    |    |
| Rear Legs Rear View   | -0,04 |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,66 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,8 | <b>Frame</b>           | <b>0,83</b>  |
| 80,0 | <b>Dairy Strength</b>  | <b>-0,99</b> |
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,02</b> |
| 77,9 | <b>Udder</b>           | <b>0,84</b>  |
|      | <b>SHI</b>             | <b>-27,0</b> |
|      | rank                   | 449.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>CO-OP BOSSIDE MASSEY-ET</b> | <b>US000063026939</b>             | <b>05.02.2007</b> | <b>PEL-052</b> |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 11.10.2007     |
|                                |                                   | US                | M07031270      |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | CAROL PRELUDE MTOTO-ET   |
| MASCOL-ET                 |            | IT006001001962           |
| DE000578891748            | <b>PGD</b> | ELAINE                   |
| PEL-031                   |            | NL000211251345           |
| <b>Dam</b>                | <b>MGS</b> | PECKENSTEIN FORM BRET-ET |
| COYNE-FARMS YELENA CRI-ET |            | US000120745603           |
| US000061376428            | <b>MGD</b> | MILKWORTH MANFRAD YADDA  |
|                           |            | US000127281274           |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug. | 344 | Rel.  | 96 %  | <b>SPI</b> | 2417       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 3176                        |            |           |    | 457   | 16  | -0,04 | 21    | 0,13       | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 68.        |
|                             |            |           |    |       |     |       |       |            | 1,99       |
|                             |            |           |    |       |     |       |       |            | 5.         |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 68 / 7 | Daug. | 245 | 82,1 | Rel. | 94 % | <b>TYPE</b> | 0,55 |
|                  |             |       |        |       |     |      |      |      | rank        | 284. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,40  |    |    |   |    |    |
| Angularity            | -0,22 |    |    |   |    |    |
| Chest Width           | 0,59  |    |    |   |    |    |
| Body Depth            | 0,34  |    |    |   |    |    |
| Rump Angle            | -0,96 |    |    |   |    |    |
| Rear Legs Side View   | -0,14 |    |    |   |    |    |
| Foot Angle            | -0,07 |    |    |   |    |    |
| Fore Udder Attachment | 0,94  |    |    |   |    |    |
| Front Teat Placement  | 1,14  |    |    |   |    |    |
| Teat Length           | -0,24 |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | -0,01 |    |    |   |    |    |
| Udder Depth           | 1,52  |    |    |   |    |    |
| Rump Width            | 0,63  |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | 0,63  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

85,1 **Frame** 0,69

81,8 **Dairy Strength** 0,32

83,8 **Feet & Legs** 0,14

80,0 **Udder** 0,11

**SHI** 95,0

rank 95.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>GENOS INTEREST-ET</b> | <b>CZ000035438071</b>             | <b>08.03.2004</b> | <b>FOM-026</b> |
| Country of origin        | CZ                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 11.06.2004     |
|                          |                                   | CZ                | 0400676        |

### Pedigree

|                  |                |                             |
|------------------|----------------|-----------------------------|
| <b>Sire</b>      | <b>PGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| OPSALE FINLEY-ET | US000002163822 | LAD-009                     |
| US000120780521   | <b>PGD</b>     | DE-SU OPSAL ETHAN FIONA-ET  |
|                  | US000015788871 |                             |
| <b>Dam</b>       | <b>MGS</b>     | DIXIE-LEE AARON-ET          |
| GENOS NORA       | US000002265005 | LU-009                      |
| CZ000120101709   | <b>MGD</b>     | US MASAL TERESA BELLWOOD    |
|                  | US000017056814 |                             |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug. | 406 | Rel.  | 98 % | <b>SPI</b> | 2099        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 7525                        |            |           |    | 478   | 15  | -0,07 | 16   | 0,02       | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 93.         |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 927.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 9 | Daug. | 132 | 80,3 | Rel. | 90 % | <b>TYPE</b> | 0,55 |
|                  |             |       |        |       |     |      |      |      | rank        | 285. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,91  |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | -0,57 |    |    |   |    |    |
| Body Depth            | -0,47 |    |    |   |    |    |
| Rump Angle            | -1,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,56 |    |    |   |    |    |
| Foot Angle            | 0,81  |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,03  |    |    |   |    |    |
| Teat Length           | 0,93  |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | 0,28  |    |    |   |    |    |
| Udder Depth           | 0,53  |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,94  |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | -0,66 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 85,2 | <b>Frame</b> | 0,64 |
|------|--------------|------|

|      |                       |       |
|------|-----------------------|-------|
| 81,0 | <b>Dairy Strength</b> | -0,28 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 81,8 | <b>Feet &amp; Legs</b> | 1,29 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 76,7 | <b>Udder</b> | 0,08 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 85,3 |
|--|------------|------|

rank 115.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>CORBEIL DELCO</b> | <b>CA000005296742</b> | <b>18.11.1990</b> | <b>JUB-013</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 08.08.1991 |
|                   |                | CAN          | 253182     |

### Pedigree

|                         |            |                                |
|-------------------------|------------|--------------------------------|
| <b>Sire</b>             | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET   |            | US000001629391                 |
| CA000000376455          | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                         |            | CA000003003616                 |
| <b>Dam</b>              | <b>MGS</b> | DESLACS ROCKMAN LYNMACK        |
| CORBEIL LYNMACK DESIREE |            | CA000000333391                 |
| CA000003615945          | <b>MGD</b> | CORBEIL TONDRA DINA            |
|                         |            | CA000003376836                 |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>140</b> | Daug.       | <b>1765</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1565</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 782.         |
| <b>34979</b>                |            |           |            | <b>-363</b> |             | <b>-11</b> | <b>0,06</b>  | <b>SCS</b> | <b>3,48</b>  |
|                             |            |           |            |             |             | <b>-12</b> | <b>-0,02</b> | rank       | 1096.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 7</b> | Daug. | <b>77</b> | 76,4 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>0,55</b> |
|                  |             |       |               |       |           |      |      | rank        | 286.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,69  |    |    |   |    |    |
| Angularity            | -0,83 |    |    |   |    |    |
| Chest Width           | 0,46  |    |    |   |    |    |
| Body Depth            | 0,75  |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 0,44  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | 0,53  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | -0,15 |    |    |   |    |    |
| Udder Depth           | -0,49 |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,64  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,1 | <b>Frame</b> | <b>1,17</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 72,7 | <b>Dairy Strength</b> | <b>-1,38</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,3 | <b>Feet &amp; Legs</b> | <b>0,37</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,0 | <b>Udder</b> | <b>0,64</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-25,3</b> |
|--|------------|--------------|

rank 441.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>RICHESSÉ STONEHAM-ET</b> | <b>CA000006264421</b> | <b>24.10.1994</b> | <b>LEP-004</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 25.04.1995 |
|                   |                | CAN          | 346901     |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVER-HILL INSPIRATION |
| HALDREY LEADERSHIP     |            | CA000000363162           |
| CA000000397763         | <b>PGD</b> | HALDREY SHEIK NANCY      |
|                        |            | CA000003514340           |
| <b>Dam</b>             | <b>MGS</b> | MEADOLAKE JUBILANT-ET    |
| GOLOISE STORA JUBILANT |            | CA000000376455           |
| CA000004766707         | <b>MGD</b> | GOLOISE SUBY STARBUCK    |
|                        |            | CA000004447973           |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>281</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>-1326</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 718.         |
| <b>5437</b>                 |            |           |           | <b>-503</b> |            | <b>-8</b> | <b>0,22</b> | <b>SCS</b> | <b>2,87</b>  |
|                             |            |           |           |             |            | <b>-6</b> | <b>0,22</b> | rank       | 357.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 10</b> | Daug. | <b>88</b> | 78,3 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>0,55</b> |
|                  |             |       |                |       |           |      |      | rank        | 287.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,43  |    |    |   |    |    |
| Angularity            | 0,27  |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,84 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | -0,58 |    |    |   |    |    |
| Rear Udder Width      | -0,64 |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,22  |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,1 | <b>Frame</b> | <b>1,44</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,6 | <b>Dairy Strength</b> | <b>0,45</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,6 | <b>Feet &amp; Legs</b> | <b>0,47</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,7 | <b>Udder</b> | <b>-0,56</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-18,1</b> |
|--|------------|--------------|

rank 423.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>GEMIDGE</b>    | <b>FR005991023330</b>             | <b>02.12.1991</b> | <b>BEL-020</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 10.09.1998     |
|                   |                                   | FR                | 92051273.1     |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL      |
| SOUTHWIND BELL OF BAR-LEE |            | US000001667366             |
| US000001964484            | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET |
| BEL-001                   |            | US000011489023             |
| <b>Dam</b>                | <b>MGS</b> | WHITTIER-FARMS NED BOY     |
| QUIETCOVE-PEG NB MIDGE-ET |            | US000001806201             |
| US000012871367            | <b>MGD</b> | ERIC-DEW MARS MARCY        |
|                           |            | US000010191243             |

|                             |            |           |            |            |             |          |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>296</b> | Daug.      | <b>5570</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>788</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      | %            | rank       | 281.        |
| <b>114380</b>               |            |           |            | <b>182</b> |             | <b>3</b> | <b>-0,08</b> | <b>7</b>   | <b>0,02</b> |
|                             |            |           |            |            |             |          |              | <b>SCS</b> | <b>3,74</b> |
|                             |            |           |            |            |             |          |              | rank       | 1206.       |

|                  |             |       |                 |       |             |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|-------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>151 / 51</b> | Daug. | <b>1400</b> | 77,5 | Rel. | <b>99 %</b> | <b>TYPE</b> | <b>0,54</b> |
|                  |             |       |                 |       |             |      |      | rank        | 288.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,22  |    |    |   |    |    |
| Angularity            | -0,30 |    |    |   |    |    |
| Chest Width           | 0,60  |    |    |   |    |    |
| Body Depth            | 0,58  |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | -0,44 |    |    |   |    |    |
| Fore Udder Attachment | 0,42  |    |    |   |    |    |
| Front Teat Placement  | 0,46  |    |    |   |    |    |
| Teat Length           | -1,03 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | 0,15  |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,20  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

80,4 **Frame** **0,66**

76,3 **Dairy Strength** **0,20**

77,4 **Feet & Legs** **-0,78**

76,8 **Udder** **0,87**

**SHI** **45,4**

rank 215.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>GRASH EXPENSIVE</b>            | <b>NL000166423558</b> | <b>24.12.1996</b> | <b>SAC-002</b> |
| Country of origin                 | Breed                 |                   | R100           |
| NL                                | Herdbook              |                   | HA             |
| Distributor                       | Paternity             |                   | 06.05.1998     |
| SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | NLD                   |                   | 166423558      |

### Pedigree

|                  |            |                       |
|------------------|------------|-----------------------|
| <b>Sire</b>      | <b>PGS</b> | MADAWASKA AEROSTAR    |
| SPACE            |            | CA000000383622        |
| NL000775256486   | <b>PGD</b> | INGRID                |
| ARS-007          |            | DE000107140159        |
| <b>Dam</b>       | <b>MGS</b> | MEADOLAKE JUBILANT-ET |
| MOHOEVE SONNI 41 |            | CA000000376455        |
| NL000857062484   | <b>MGD</b> | MOHOEVE SONNI 15      |
|                  |            | NL000516553724        |

|                             |            |             |            |              |            |              |             |             |              |       |
|-----------------------------|------------|-------------|------------|--------------|------------|--------------|-------------|-------------|--------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds       | <b>63</b>  | Daug.        | <b>125</b> | Rel.         | <b>94 %</b> | <b>SPI</b>  | <b>-1887</b> |       |
| Number controls             | <b>BV</b>  | Milk        | Fat        | %            | Prot.      | %            | rank        | 851.        |              |       |
| <b>2553</b>                 |            | <b>-386</b> | <b>-18</b> | <b>-0,08</b> | <b>-13</b> | <b>-0,04</b> | <b>SCS</b>  | <b>3,49</b> | rank         | 1102. |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>13</b> | 77,5 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>0,54</b> |
|                  |             |       |              |       |           |      |      | rank        | 289.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,57 |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | -1,48 |    |    |   |    |    |
| Rear Legs Side View   | -0,89 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,26  |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | 0,53  |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | 0,63  |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | -0,73 |    |    |   |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Frame</b>           | <b>-0,80</b> |
| 75,5 | <b>Dairy Strength</b>  | <b>-0,11</b> |
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,53</b>  |
| 77,5 | <b>Udder</b>           | <b>1,11</b>  |
|      | <b>SHI</b>             | <b>-35,4</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                            |                   |                       |
|-------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>              | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HANOVERHILL LIEUTENANT</b> | <b>CA00000400665</b>       | <b>16.03.1989</b> | <b>STB-012</b>        |
| Country of origin             | CA                         | <b>Breed</b>      | H100                  |
| Distributor                   | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                               |                            | Paternity         | 08.06.1990            |
|                               |                            | CAN               | 400665                |

### Pedigree

|                          |            |                               |
|--------------------------|------------|-------------------------------|
| <b>Sire</b>              | <b>PGS</b> | ROUND OAK RAG APPLE ELEVATION |
| HANOVERHILL STARBUCK     |            | US000001491007                |
| CA000000352790           | <b>PGD</b> | ANACRES ASTRONAUT IVANHOE     |
|                          |            | US000008018046                |
| <b>Dam</b>               | <b>MGS</b> | MARSHFIELD ELEVATION TONY     |
| HANOVERHILL CHIEF T LULU |            | US000001626813                |
| CA000004100574           | <b>MGD</b> | HANOVER-HILL CHIEF LULU       |
|                          |            | US000010393552                |

|                             |            |           |           |             |           |           |              |              |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|--------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.       | <b>90</b> | Rel.      | <b>93 %</b>  | <b>SPI</b>   | <b>-799</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |              | rank         | 599.        |
| <b>1679</b>                 |            |           |           | <b>-179</b> |           | <b>-9</b> | <b>-0,05</b> | <b>Prot.</b> | <b>0,01</b> |
|                             |            |           |           |             |           |           |              | <b>SCS</b>   | <b>3,50</b> |
|                             |            |           |           |             |           |           |              | rank         | 1106.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>11</b> | 77,9 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>0,53</b> |
|                  |             |       |              |       |           |      |      | rank        | 290.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,34  |    |    |   |    |    |
| Fore Udder Attachment | -0,56 |    |    |   |    |    |
| Front Teat Placement  | -0,25 |    |    |   |    |    |
| Teat Length           | 0,51  |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | -0,57 |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,2 | <b>Frame</b> | <b>0,38</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 75,0 | <b>Dairy Strength</b> | <b>0,81</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,6 | <b>Feet &amp; Legs</b> | <b>0,92</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 78,5 | <b>Udder</b> | <b>0,09</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-2,8</b> |
|--|------------|-------------|

rank 376.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ROEVER-ET</b>  | <b>DE000661348097</b>             | <b>15.10.1999</b> | <b>ROS-004</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.01.2000     |
|                   |                                   | DEU               | 00/1231        |

### Pedigree

|                |            |                    |
|----------------|------------|--------------------|
| <b>Sire</b>    | <b>PGS</b> | MADAWASKA AEROSTAR |
| ROELS          |            | CA000000383622     |
| DE000101645705 | <b>PGD</b> | NORDWIND 22        |
|                |            | DE000107482151     |
| <b>Dam</b>     | <b>MGS</b> | ANTHEM             |
| JASMIN 1614    |            | CA000000382582     |
| DE000660021368 | <b>MGD</b> | IVONNE 132         |
|                |            | DE000660021370     |

|                             |            |           |           |             |             |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>83</b> | Daug.       | <b>1218</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-968</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        |              | rank       | 635.        |
| <b>26191</b>                |            |           |           | <b>-154</b> |             | <b>-18</b> | <b>-0,25</b> | <b>SCS</b> | <b>3,82</b> |
|                             |            |           |           |             |             | <b>-4</b>  | <b>0,01</b>  | rank       | 1222.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>32 / 14</b> | Daug. | <b>352</b> | 78,2 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,53</b> |
|                  |             |       |                |       |            |      |      | rank        | 291.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,79  |    |    |   |    |    |
| Angularity            | 0,52  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | 0,11  |    |    |   |    |    |
| Rear Legs Side View   | -1,06 |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | -0,34 |    |    |   |    |    |
| Front Teat Placement  | -1,52 |    |    |   |    |    |
| Teat Length           | 0,95  |    |    |   |    |    |
| Rear Udder Height     | -0,00 |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | -0,17 |    |    |   |    |    |
| Udder Depth           | -0,05 |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | 0,23  |    |    |   |    |    |
| Rear Teat Placement   | -0,37 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>1,06</b>  |
| 79,0 | <b>Dairy Strength</b>  | <b>1,38</b>  |
| 79,1 | <b>Feet &amp; Legs</b> | <b>1,58</b>  |
| 75,4 | <b>Udder</b>           | <b>-1,27</b> |
|      | <b>SHI</b>             | <b>-7,9</b>  |
|      | rank                   | 386.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>BERT</b>       | <b>FR005376969715</b>             | <b>12.11.2006</b> | <b>BES-013</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.01.2007     |
|                   |                                   | FR                | F/S 374626     |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | JOCKO BESN     |
| JEFFERSON-ET   |            | FR005694028588 |
| DE000347023457 | <b>PGD</b> | HEITA          |
|                |            | DE001012346409 |
| <b>Dam</b>     | <b>MGS</b> | NEGUNDO        |
| UMA 618        |            | FR002997001110 |
| FR005376969618 | <b>MGD</b> | DHM RAMINE     |
|                |            | FR005383280291 |

|                             |            |           |           |            |            |            |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.      | <b>110</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>69</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat        |              | rank       | 415.        |
| <b>2278</b>                 |            |           |           | <b>256</b> |            | <b>-15</b> | <b>-0,46</b> | <b>SCS</b> | <b>2,67</b> |
|                             |            |           |           |            |            | <b>2</b>   | <b>-0,13</b> | rank       | 159.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 9</b> | Daug. | <b>47</b> | 79,5 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>0,53</b> |
|                  |             |       |               |       |           |      |      | rank        | 292.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,14  |    |    |   |    |    |
| Angularity            | -0,49 |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | -0,70 |    |    |   |    |    |
| Rump Angle            | 1,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,80 |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | -0,33 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | 0,58  |    |    |   |    |    |
| Rear Udder Width      | 0,35  |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | 0,28  |    |    |   |    |    |
| Rear Legs Rear View   | -0,85 |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,9 | <b>Frame</b>           | <b>1,21</b>  |
| 78,2 | <b>Dairy Strength</b>  | <b>-1,76</b> |
| 79,8 | <b>Feet &amp; Legs</b> | <b>0,05</b>  |
| 77,9 | <b>Udder</b>           | <b>0,80</b>  |
|      | <b>SHI</b>             | <b>23,3</b>  |
|      | rank                   | 280.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>WA-DEL RICE HOLMAN-ET</b> | <b>US000135488612</b>             | <b>10.04.2004</b> | <b>MED-021</b> |
| Country of origin            | US                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 15.02.2005     |
|                              |                                   | US                | M05003199      |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | HA-HO CUBBY MANFRED-ET<br>US000002183007      |
| O-BEE MANFRED JUSTICE-ET<br>US000122358313<br>MED-012 | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET<br>US000015459080 |
| <b>Dam</b>  | <b>MGS</b> | CAROL PRELUDE MTOTO-ET<br>IT006001001962      |
| DARLAWN MTOTO HONIBEA<br>US000127898487               | <b>MGD</b> | DARLAWN RUDOLPH HERA-ET<br>US000017362271     |

|                             |            |           |          |            |            |           |              |            |              |
|-----------------------------|------------|-----------|----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>6</b> | Daug.      | <b>170</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>3347</b>  |
| Number controls             |            | <b>BV</b> |          | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>3461</b>                 |            |           |          | <b>916</b> |            | <b>22</b> | <b>-0,22</b> | <b>23</b>  | <b>-0,11</b> |
|                             |            |           |          |            |            |           |              | rank       | ...          |
|                             |            |           |          |            |            |           |              | <b>SCS</b> | <b>2,51</b>  |
|                             |            |           |          |            |            |           |              | rank       | ...          |

|                  |             |       |               |       |            |      |      |             |             |             |      |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 3</b> | Daug. | <b>148</b> | 80,6 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,53</b> |      |
|                  |             |       |               |       |            |      |      |             |             | rank        | 293. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,52  |    |    |   |    |    |
| Angularity            | -0,28 |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | -0,32 |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | 1,17  |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | 0,85  |    |    |   |    |    |
| Rump Width            | 0,60  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,37  |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,9 | <b>Frame</b>           | <b>0,63</b>  |
| 80,6 | <b>Dairy Strength</b>  | <b>-0,68</b> |
| 81,2 | <b>Feet &amp; Legs</b> | <b>0,13</b>  |
| 78,3 | <b>Udder</b>           | <b>0,89</b>  |
|      | <b>SHI</b>             | <b>122,1</b> |
|      | rank                   | 54.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>OSTRETIN JOYALIST</b> | <b>CZ000513609053</b>             | <b>18.06.2005</b> | <b>COK-002</b> |
| Country of origin        | CZ                                | <b>Breed</b>      | R100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 25.04.2006     |
|                          |                                   | CZ                | 0600832        |

### Pedigree

|                      |            |                       |
|----------------------|------------|-----------------------|
| <b>Sire</b>          | <b>PGS</b> | WELLS MASCOT CORKY-ET |
| POSAL CORKY ROYALIST |            | US000002203438        |
| IT771043001212       | <b>PGD</b> | POSAL FACTOR QUEEN    |
|                      |            | IT007700029450        |
| <b>Dam</b>           | <b>MGS</b> | GRANDUC TRIBUTE       |
| OSTRETIN PETRA 6     |            | CA000006873798        |
| CZ000004192953       | <b>MGD</b> | OSTRETIN PETRA 3-ET   |
|                      |            | CZ000112128506        |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>80</b> | Daug.      | <b>1632</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>355</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | Prot.      | %           |
| <b>29515</b>                |            |           |           | <b>-46</b> |             | <b>-3</b> | <b>-0,04</b> | <b>8</b>   | <b>0,20</b> |
|                             |            |           |           |            |             |           |              | rank       | 356.        |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,76</b> |
|                             |            |           |           |            |             |           |              | rank       | 238.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 9</b> | Daug. | <b>266</b> | 80,2 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,53</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 294.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,39 |    |    | ■ |    |    |
| Angularity            | 0,18  |    |    | ■ |    |    |
| Chest Width           | 0,02  |    |    | ■ |    |    |
| Body Depth            | 0,24  |    |    | ■ |    |    |
| Rump Angle            | -0,37 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,48  |    |    | ■ | ■  |    |
| Foot Angle            | 0,24  |    |    | ■ |    |    |
| Fore Udder Attachment | 0,41  |    |    | ■ | ■  |    |
| Front Teat Placement  | -0,10 |    |    | ■ |    |    |
| Teat Length           | -0,23 |    |    | ■ |    |    |
| Rear Udder Height     | 0,05  |    |    | ■ |    |    |
| Rear Udder Width      | 0,03  |    |    | ■ |    |    |
| Central Ligament      | 0,18  |    |    | ■ |    |    |
| Udder Depth           | 0,23  |    |    | ■ |    |    |
| Rump Width            | -0,37 |    |    | ■ |    |    |
| Rear Legs Rear View   | 1,17  |    |    | ■ | ■  | ■  |
| Rear Teat Placement   | 0,03  |    |    | ■ |    |    |
| Locomotion            | 0,40  |    |    | ■ |    |    |
| Body Condition        | -0,37 |    |    | ■ |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 82,6 | <b>Frame</b> | <b>-0,42</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,6 | <b>Dairy Strength</b> | <b>0,56</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,1 | <b>Feet &amp; Legs</b> | <b>1,44</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,43</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>31,8</b> |
|--|------------|-------------|

rank 250.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>HARTLINE AEROSTAR THEO</b> | <b>US000002246936</b> | <b>26.12.1993</b> | <b>ARS-024</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 03.10.1994 |
|                   |                                   | USA          | IG202464C  |

### Pedigree

|                        |            |                               |
|------------------------|------------|-------------------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVERHILL STARBUCK          |
| MADAWASKA AEROSTAR     |            | CA000000352790                |
| CA000000383622         | <b>PGD</b> | MADAWASKA SHADY               |
| STB-011                |            | CA0000003511527               |
| <b>Dam</b>             | <b>MGS</b> | ROTHROCK TRADITION LEADMAN    |
| DOCO LEADMAN TENACIOUS |            | US000001983348 <b>TDN-004</b> |
| US000014734618         | <b>MGD</b> | DOCO MARK TRISHA-ET           |
|                        |            | US000013740002                |

|                             |            |           |           |           |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|-----------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.     | <b>293</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>-54</b>   |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat       | %            | Prot.      | %            |
| <b>5603</b>                 |            |           |           | <b>99</b> |            | <b>-7</b> | <b>-0,21</b> | <b>-0</b>  | <b>-0,07</b> |
|                             |            |           |           |           |            |           |              | <b>SCS</b> | <b>3,40</b>  |
|                             |            |           |           |           |            |           |              | rank       | 1029.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>30 / 13</b> | Daug. | <b>113</b> | 78,6 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,53</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 295.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,60  |    |    |   |    |    |
| Angularity            | 0,49  |    |    |   |    |    |
| Chest Width           | -0,54 |    |    |   |    |    |
| Body Depth            | -1,03 |    |    |   |    |    |
| Rump Angle            | 0,29  |    |    |   |    |    |
| Rear Legs Side View   | -0,69 |    |    |   |    |    |
| Foot Angle            | 0,37  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | 1,03  |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | 0,23  |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | 0,18  |    |    |   |    |    |
| Rump Width            | -0,73 |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | 0,70  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

|                 |      |                        |             |
|-----------------|------|------------------------|-------------|
| daught. average | 81,5 | <b>Frame</b>           | <b>0,12</b> |
|                 | 78,7 | <b>Dairy Strength</b>  | <b>0,02</b> |
|                 | 78,6 | <b>Feet &amp; Legs</b> | <b>0,65</b> |
|                 | 77,2 | <b>Udder</b>           | <b>0,88</b> |
|                 |      | <b>SHI</b>             | <b>19,4</b> |
|                 |      | rank                   | 296.        |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>ART-ACRES MTOTO DOUG 444-ET</b> | <b>US000060077538</b>             | <b>17.02.2000</b> | <b>PEL-030</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 29.10.2004     |
|                                    |                                   | US                | IMMGN 6543C    |

### Pedigree

|                          |            |                              |
|--------------------------|------------|------------------------------|
| <b>Sire</b>              | <b>PGS</b> | RONNYBROOK PRELUDE-ET        |
| CAROL PRELUDE MTOTO-ET   |            | CA000000392457               |
| IT006001001962           | <b>PGD</b> | BLACKSTAR BETSY-ET           |
|                          |            | US000014459466               |
| <b>Dam</b>               | <b>MGS</b> | MJR BLACKSTAR EMORY-ET       |
| ART-ACRES EMORY K KAY-ET |            | US000002114601               |
| US000017010637           | <b>MGD</b> | ART- ACRES AEROSTAR KAY K-ET |
|                          |            | US000014899290               |

|                             |            |           |           |            |             |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>81</b> | Daug.      | <b>1609</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1263</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      |              | rank       | 198.        |
| <b>34390</b>                |            |           |           | <b>579</b> |             | <b>3</b> | <b>-0,34</b> | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |           |            |             |          |              | rank       | 274.        |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>125 / 26</b> | Daug. | <b>624</b> | 79,8 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>0,52</b> |
|                  |             |       |                 |       |            |      |      | rank        | 296.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,11 |    |    | █ |    |    |
| Angularity            | -0,15 |    |    | █ |    |    |
| Chest Width           | 0,31  |    |    | █ |    |    |
| Body Depth            | 0,31  |    |    | █ |    |    |
| Rump Angle            | -0,48 |    |    | █ |    |    |
| Rear Legs Side View   | 0,20  |    |    | █ |    |    |
| Foot Angle            | -0,27 |    |    | █ |    |    |
| Fore Udder Attachment | 0,11  |    |    | █ |    |    |
| Front Teat Placement  | 0,37  |    |    | █ |    |    |
| Teat Length           | -0,28 |    |    | █ |    |    |
| Rear Udder Height     | -0,05 |    |    | █ |    |    |
| Rear Udder Width      | 0,63  |    |    | █ |    |    |
| Central Ligament      | 0,23  |    |    | █ |    |    |
| Udder Depth           | -0,84 |    |    | █ |    |    |
| Rump Width            | 0,63  |    |    | █ |    |    |
| Rear Legs Rear View   | -0,12 |    |    | █ |    |    |
| Rear Teat Placement   | 0,52  |    |    | █ |    |    |
| Locomotion            | 0,18  |    |    | █ |    |    |
| Body Condition        | 0,20  |    |    | █ |    |    |

daught. average

82,6 **Frame** **0,17**

80,3 **Dairy Strength** **0,36**

80,1 **Feet & Legs** **-0,49**

78,0 **Udder** **0,86**

**SHI** **58,9**

rank 179.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                                   |                   |                       |
|---------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>    | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>HOLBRA PAULO</b> | <b>NL000488250432</b>             | <b>16.08.2007</b> | <b>LU-044</b>         |
| Country of origin   | NL                                | <b>Breed</b>      | H100                  |
| Distributor         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                     |                                   | Paternity         | 27.09.2007            |
|                     |                                   | NL                | 162197                |

### Pedigree

|                        |            |                          |         |
|------------------------|------------|--------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | LEXVOLD LUKE HERSHEL-ET  |         |
| SANDY-VALLEY BOLTON-ET |            | US000002294436           | LU-013  |
| US000131823833         | <b>PGD</b> | SANDY-VALLEY BLESSING-ET |         |
|                        |            | US000128824973           |         |
| <b>Dam</b>             | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET |         |
| HOLBRA PAULA           |            | US000122358313           | MED-012 |
| NL000430248852         | <b>MGD</b> | HOLBRA PETRA             |         |
|                        |            | NL000373346811           |         |

|                             |            |           |    |       |    |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug. | 93 | Rel. | 88 % | <b>SPI</b> | 3072        |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %           |
| <b>1099</b>                 |            |           |    | 492   | 35 | 0,27 | 22   | 0,14       | <b>SCS</b>  |
|                             |            |           |    |       |    |      |      |            | rank        |
|                             |            |           |    |       |    |      |      |            | 34.         |
|                             |            |           |    |       |    |      |      |            | <b>rank</b> |
|                             |            |           |    |       |    |      |      |            | 703.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 29 / 11 | Daug. | 55 | 82,3 | Rel. | 78 % | <b>TYPE</b> | 0,52 |
|                  |             |       |         |       |    |      |      |      | rank        | 297. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,28  |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,35  |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | 0,86  |    |    |   |    |    |
| Front Teat Placement  | 0,88  |    |    |   |    |    |
| Teat Length           | 0,74  |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | 0,99  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 85,0 | <b>Frame</b>           | 0,57  |
| 82,2 | <b>Dairy Strength</b>  | 0,14  |
| 84,0 | <b>Feet &amp; Legs</b> | 0,47  |
| 80,1 | <b>Udder</b>           | 0,28  |
|      | <b>SHI</b>             | 113,4 |
|      | rank                   | 65.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>J-P-J-F NASSAU-ET</b> | <b>US000002138545</b>             | <b>19.07.1990</b> | <b>TG-001</b>         |
| Country of origin        | US                                | <b>Breed</b>      | H100                  |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | Paternity         | 08.03.1991            |
|                          |                                   | USA               | IG151670A             |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | MARSHFIELD ELEVATION TONY     |
| OPPERMAN TONG-ET           |            | US000001626813                |
| US000001918191             | <b>PGD</b> | OPPERMAN CHIEF AMY SHELSEA    |
|                            |            | US000009115116                |
| <b>Dam</b>                 | <b>MGS</b> | ARLINDA ROTATE                |
| MISS CROCKETT R NATASHA-ET |            | US000001697572                |
| US0000012951528            | <b>MGD</b> | NFL-B CROCKETT FARMS ROSIE-ET |
|                            |            | US0000012314043               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>54</b> | Daug.       | <b>462</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-1805</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 832.         |
| <b>8621</b>                 |            |           |           | <b>-322</b> |            | <b>-10</b> | <b>0,03</b>  | <b>SCS</b> | <b>2,82</b>  |
|                             |            |           |           |             |            | <b>-17</b> | <b>-0,17</b> | rank       | 317.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 13</b> | Daug. | <b>66</b> | 77,6 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>0,51</b> |
|                  |             |       |                |       |           |      |      | rank        | 298.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    | ■ |    |    |
| Angularity            | 0,38  |    |    |   | ■  |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | -0,23 |    |    | ■ |    |    |
| Rump Angle            | -0,44 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,24  |    |    |   | ■  |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,27  |    |    |   | ■  |    |
| Front Teat Placement  | 0,34  |    |    |   | ■  |    |
| Teat Length           | -0,58 |    |    | ■ |    |    |
| Rear Udder Height     | 0,34  |    |    |   | ■  |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | 0,35  |    |    |   | ■  |    |
| Udder Depth           | 0,59  |    |    |   | ■  |    |
| Rump Width            | 0,28  |    |    |   | ■  |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,75 |    |    | ■ |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

79,3 **Frame** **-0,44**

75,7 **Dairy Strength** **0,99**

78,4 **Feet & Legs** **0,67**

77,3 **Udder** **0,71**

**SHI** **-33,9**

rank 463.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>SURE-VIEW AUDACITY-RED-ET</b> | <b>US000062018616</b> | <b>25.03.2005</b> | <b>SOM-031</b> |
| Country of origin                | US                    | <b>Breed</b>      | R100           |
| Distributor                      | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                  |                       | Paternity         | 26.01.2006     |
|                                  |                       | CA                | DC155049       |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MAUGHLIN STORM-ET           |
| LADINO PARK TALENT-IMP-ET   |            | CA000005457798              |
| AU000000930377              | <b>PGD</b> | MARKWELL LEADER ROSE-ET     |
|                             |            | US000015804313              |
| <b>Dam</b>                  | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| SURE-VIEW MARSHALL ALLEY-ET |            | US000002290977              |
| US000131671155              | <b>MGD</b> | SURE-VIEW RUDLF ASPIRIN-ET  |
|                             |            | US000017314216              |

|                             |            |           |           |            |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.      | <b>126</b> | Rel.     | <b>92 %</b> | <b>SPI</b> | <b>312</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |             | rank       | 364.        |
| <b>1676</b>                 |            |           |           | <b>-84</b> |            | <b>7</b> | <b>0,19</b> | <b>SCS</b> | <b>2,76</b> |
|                             |            |           |           |            |            | <b>4</b> | <b>0,13</b> | rank       | 247.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 2</b> | Daug. | <b>22</b> | 81,3 | Rel. | <b>62 %</b> | <b>TYPE</b> | <b>0,51</b> |
|                  |             |       |              |       |           |      |      | rank        | 299.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,16  |    |    |   |    |    |
| Angularity            | 0,66  |    |    |   |    |    |
| Chest Width           | -0,82 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | 0,82  |    |    |   |    |    |
| Front Teat Placement  | 0,11  |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | 1,19  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,71 |    |    |   |    |    |
| Udder Depth           | 0,64  |    |    |   |    |    |
| Rump Width            | -0,87 |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,64 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -1,05 |    |    |   |    |    |

daught. average

84,2 **Frame** **-0,34**

82,9 **Dairy Strength** **0,18**

83,1 **Feet & Legs** **-0,01**

78,1 **Udder** **1,10**

**SHI** **29,8**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>LOT-O-ROK OMAN JAKE-ET</b> | <b>US000061643016</b>             | <b>10.04.2004</b> | <b>MED-019</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 31.01.2005     |
|                               |                                   | US                | M05002781      |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| LOT-O-ROK MARSHAL GISELE |            | US000002290977              |
| US000060440918           | <b>MGD</b> | STOUDER AARON MAYLENE-ET    |
|                          |            | US000060085496              |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug. | 521 | Rel. | 98 % | <b>SPI</b> | 3274 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| 11547                       |            |           |    | 591   | 30  | 0,12 | 25   | 0,14       |      |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,89 |
|                             |            |           |    |       |     |      |      | rank       | 29.  |
|                             |            |           |    |       |     |      |      | rank       | 390. |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 52 / 8 | Daug. | 298 | 80,7 | Rel. | 95 % | <b>TYPE</b> | 0,51 |
|                  |             |       |        |       |     |      |      |      | rank        | 300. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,07 |    |    |   |    |    |
| Angularity            | -0,07 |    |    |   |    |    |
| Chest Width           | 0,30  |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | -0,59 |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | -0,32 |    |    |   |    |    |
| Fore Udder Attachment | 0,76  |    |    |   |    |    |
| Front Teat Placement  | 0,90  |    |    |   |    |    |
| Teat Length           | -0,08 |    |    |   |    |    |
| Rear Udder Height     | 0,00  |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | -0,31 |    |    |   |    |    |
| Udder Depth           | 0,59  |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | -0,85 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 83,2 | <b>Frame</b>           | 0,09  |
| 80,9 | <b>Dairy Strength</b>  | 0,60  |
| 81,3 | <b>Feet &amp; Legs</b> | -0,54 |
| 78,9 | <b>Udder</b>           | 0,85  |
|      | <b>SHI</b>             | 118,9 |
|      | rank                   | 57.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KICK-IT-UP AMO-ET</b> | <b>US000121066224</b>      | <b>05.10.1997</b> | <b>RUH-010</b>        |

|                   |                |              |             |
|-------------------|----------------|--------------|-------------|
| Country of origin | US             | <b>Breed</b> | H100        |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA          |
|                   |                | Paternity    | 01.12.1998  |
|                   |                | CAN          | BTIG247145A |

### Pedigree

|                      |            |                         |         |
|----------------------|------------|-------------------------|---------|
| <b>Sire</b>          | <b>PGS</b> | MADAWASKA AEROSTAR      |         |
| STARTMORE RUDOLPH-ET |            | CA000000383622          | STB-011 |
| CA000005470579       | <b>PGD</b> | STARTMORE RACHELLE-ET   |         |
| ARS-015              |            | CA000004324253          |         |
| <b>Dam</b>           | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET  |         |
| ROBTHOM AMORETTA-ET  |            | US000002103297          | MEW-004 |
| US000015949022       | <b>MGD</b> | ROBTHOM AMBER MASCOT-ET |         |
|                      |            | US000015046711          |         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 407 | Rel.  | 98 % | <b>SPI</b> | 1318        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 7502                        |            |           |    | 437   | 9   | -0,15 | 7    | -0,13      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 184.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 47.         |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 22 / 7 | Daug. | 106 | 78,7 | Rel. | 89 % | <b>TYPE</b> | 0,50 |
|                  |             |       |        |       |     |      |      |      | rank        | 301. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,79  |    |    |   |    |    |
| Angularity            | 0,00  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,86 |    |    |   |    |    |
| Udder Depth           | 0,60  |    |    |   |    |    |
| Rump Width            | 0,00  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | 0,19  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 83,9 | <b>Frame</b> | 2,00 |
|------|--------------|------|

|      |                       |      |
|------|-----------------------|------|
| 78,6 | <b>Dairy Strength</b> | 0,03 |
|------|-----------------------|------|

|      |                        |       |
|------|------------------------|-------|
| 78,6 | <b>Feet &amp; Legs</b> | -0,81 |
|------|------------------------|-------|

|      |              |       |
|------|--------------|-------|
| 76,3 | <b>Udder</b> | -0,25 |
|------|--------------|-------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 59,8 |
|--|------------|------|

rank 178.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FARON-ET</b>   | <b>DE001402401541</b>             | <b>05.11.2004</b> | <b>FBE-007</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 28.11.2004     |
|                   |                                   | DE                | 04/5011        |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET |
| FABER RED-ET   |            | US000002129913   |
| DE000340174036 | <b>PGD</b> | LORELEY 12       |
|                |            | DE001021135253   |
| <b>Dam</b>     | <b>MGS</b> | STBVQ RUBENS-ET  |
| IZE ROUL 01    |            | CA000005844883   |
| FR005232470991 | <b>MGD</b> | GALA ROUGE       |
|                |            | FR000891010301   |

|                             |            |           |           |           |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.     | <b>305</b> | Rel.     | <b>97 %</b> | <b>SPI</b> | <b>159</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat      | %           | rank       | 395.        |
| <b>5973</b>                 |            |           |           | <b>13</b> |            | <b>1</b> | <b>0,01</b> | <b>SCS</b> | <b>3,28</b> |
|                             |            |           |           |           |            | <b>2</b> | <b>0,02</b> | rank       | 887.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 8</b> | Daug. | <b>62</b> | 79,3 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>0,50</b> |
|                  |             |       |               |       |           |      |      | rank        | 302.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,33 |    |    |   |    |    |
| Angularity            | 0,38  |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,20  |    |    |   |    |    |
| Rump Angle            | -0,54 |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | 0,92  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,95  |    |    |   |    |    |
| Rump Width            | -0,20 |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,09  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>-0,45</b> |
| 81,1 | <b>Dairy Strength</b>  | <b>0,87</b>  |
| 80,3 | <b>Feet &amp; Legs</b> | <b>-0,38</b> |
| 76,7 | <b>Udder</b>           | <b>0,78</b>  |
|      | <b>SHI</b>             | <b>24,6</b>  |
|      | rank                   | 272.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>ORIGIN</b>     | <b>DE000576536679</b> | <b>30.08.1995</b> | <b>EV-019</b>  |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 04.10.1995     |
|                   |                       | DEU               | 95/12338       |

### Pedigree

|                |            |                         |
|----------------|------------|-------------------------|
| <b>Sire</b>    | <b>PGS</b> | ORKAN                   |
| OREGON         |            | DE001004565147          |
| DE000505639209 | <b>PGD</b> | LEILA                   |
|                |            | DE000505458742          |
| <b>Dam</b>     | <b>MGS</b> | DICHARL SOROCCO TRISTAN |
| EDELWEISS      |            | US000001900232          |
| DE001013310857 | <b>MGD</b> | EDEL 21                 |
|                |            | DE001013249740          |

|                             |            |           |            |             |             |          |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>110</b> | Daug.       | <b>1447</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-1924</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat      |             | rank       | 860.         |
| <b>31417</b>                |            |           |            | <b>-764</b> |             | <b>6</b> | <b>0,75</b> | <b>SCS</b> | <b>2,67</b>  |
|                             |            |           |            |             |             |          |             | rank       | 158.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>32 / 11</b> | Daug. | <b>175</b> | 78,0 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>0,49</b> |
|                  |             |       |                |       |            |      |      | rank        | 303.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,91  |    |    |   |    |    |
| Angularity            | -0,60 |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | -0,34 |    |    |   |    |    |
| Rump Angle            | 0,49  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | 0,36  |    |    |   |    |    |
| Fore Udder Attachment | 0,52  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -0,42 |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | 0,23  |    |    |   |    |    |
| Udder Depth           | 1,37  |    |    |   |    |    |
| Rump Width            | -0,83 |    |    |   |    |    |
| Rear Legs Rear View   | -0,40 |    |    |   |    |    |
| Rear Teat Placement   | -0,03 |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>0,93</b>  |
| 77,3 | <b>Dairy Strength</b>  | <b>-1,58</b> |
| 78,7 | <b>Feet &amp; Legs</b> | <b>-0,31</b> |
| 76,3 | <b>Udder</b>           | <b>1,04</b>  |
|      | <b>SHI</b>             | <b>-38,3</b> |
|      | rank                   | 476.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>GLAMOUR CARLO-ET</b> | <b>GB915250411682</b>             | <b>15.01.2013</b> | <b>MGL-001</b> |
| Country of origin       | GB                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 11.10.2013     |
|                         |                                   | UK                | B212623        |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | COYNE-FARMS DORCY-ET       |
| MOUNTFIELD SSI DCY MOGUL-ET |            | US000139005002             |
| US003006972816              | <b>PGD</b> | MOUNTFIELD MARSH MAXINE-ET |
| LU-052                      |            | US000062784081             |
| <b>Dam</b>                  | <b>MGS</b> | ROYLANE SOCRA ROBUST-ET    |
| LARCREST CARLIN-ET          |            | US000064966739             |
| US000070119345              | <b>MGD</b> | LARCREST COMET-ETS         |
|                             |            | US000053766363             |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 320 | Rel. | 95 % | <b>SPI</b> | 1425       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| <b>1213</b>                 |            |           |    | 77    | 34  | 0,56 | 6    | 0,08       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 164.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 450.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 32 / 15 | Daug. | 90 | 82,1 | Rel. | 84 % | <b>TYPE</b> | 0,49 |
|                  |             |       |         |       |    |      |      |      | rank        | 304. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,74 |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,29  |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | 1,18  |    |    |   |    |    |
| Front Teat Placement  | 0,07  |    |    |   |    |    |
| Teat Length           | -0,77 |    |    |   |    |    |
| Rear Udder Height     | 0,76  |    |    |   |    |    |
| Rear Udder Width      | 0,27  |    |    |   |    |    |
| Central Ligament      | -0,86 |    |    |   |    |    |
| Udder Depth           | 1,29  |    |    |   |    |    |
| Rump Width            | -0,08 |    |    |   |    |    |
| Rear Legs Rear View   | -0,27 |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | 0,48  |    |    |   |    |    |
| Body Condition        | 0,13  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,3 | <b>Frame</b>           | <b>-0,81</b> |
| 81,1 | <b>Dairy Strength</b>  | <b>-0,73</b> |
| 84,7 | <b>Feet &amp; Legs</b> | <b>1,38</b>  |
| 80,7 | <b>Udder</b>           | <b>1,03</b>  |
|      | <b>SHI</b>             | <b>62,5</b>  |
|      | rank                   | 170.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>BLACK JET 2</b> | <b>NL000160750210</b>             | <b>29.04.1995</b> | <b>JED-002</b> |
| Country of origin  | NL                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 08.12.1995     |
|                    |                                   | NLD               | 019501759010   |

### Pedigree

|                           |            |                           |
|---------------------------|------------|---------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA ROTATE            |
| JUNIPER ROTATE JED-ET     |            | US000001697572            |
| US000002040728            | <b>PGD</b> | HURL-FOUR TRADITION JACKY |
|                           |            | US000011997469            |
| <b>Dam</b>                | <b>MGS</b> | TO-MAR BLACKSTAR-ET       |
| MISS BLACKSTAR ACCLAIM-ET |            | US000001929410            |
| US000014261100            | <b>MGD</b> | CONANT-ACRES MARK ANNA    |
|                           |            | US000012830996            |
|                           |            | CHR-002                   |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.       | <b>169</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-2729</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1028.        |
| <b>2934</b>                 |            |           |           | <b>-657</b> |            | <b>-13</b> | <b>0,24</b>  | <b>SCS</b> | <b>3,47</b>  |
|                             |            |           |           |             |            | <b>-23</b> | <b>-0,06</b> | rank       | 1090.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 12</b> | Daug. | <b>29</b> | 76,4 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,48</b> |
|                  |             |       |                |       |           |      |      | rank        | 305.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,11  |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | 0,64  |    |    |   |    |    |
| Rear Legs Side View   | 0,82  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | 0,86  |    |    |   |    |    |
| Teat Length           | 0,48  |    |    |   |    |    |
| Rear Udder Height     | 0,11  |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | 1,14  |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    |   |    |    |
| Rear Teat Placement   | -0,04 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

78,3 **Frame** **0,31**

73,9 **Dairy Strength** **0,70**

75,9 **Feet & Legs** **-0,92**

76,9 **Udder** **0,94**

**SHI** **-63,1**

rank 537.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>ECONOM</b>            | <b>CZ000115881769</b>                    | <b>02.10.2000</b> | <b>MNA-013</b>        |
| <b>Country of origin</b> | <b>CZ</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>20.09.2001</b>     |
|                          |  | <b>CZ</b>         | <b>63801</b>          |

### Pedigree

|                            |            |                                  |
|----------------------------|------------|----------------------------------|
| <b>Sire</b>                | <b>PGS</b> | <b>BIS-MAY S-E-L MOUNTAIN-ET</b> |
| ETAZON ADDISON-ET          |            | US000002070579                   |
| NL000839380546             | <b>PGD</b> | <b>TIDY-BROOK ELTON STEPH-ET</b> |
|                            |            | US000014080279                   |
| <b>Dam</b>                 | <b>MGS</b> | <b>HA-HO CUBBY MANFRED-ET</b>    |
| CARTERS-CORNER MAN ABBY-ET |            | US000002183007                   |
| US000124690923             | <b>MGD</b> | <b>NEU-WAY PATRON ALLIE-ET</b>   |
|                            |            | US000017216847                   |

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>12</b>  | <b>Daug.</b> | <b>177</b>   | <b>Rel.</b>  | <b>96 %</b> | <b>SPI</b>  | <b>3059</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> |             | <b>36.</b>  |
| <b>2955</b>                 |                   | <b>1027</b>  | <b>11</b>  | <b>-0,46</b> | <b>21</b>    | <b>-0,21</b> | <b>SCS</b>  | <b>3,14</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              |             |             | <b>712.</b> |

|                  |                    |              |               |              |            |             |             |             |             |             |
|------------------|--------------------|--------------|---------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>24 / 6</b> | <b>Daug.</b> | <b>153</b> | <b>78,6</b> | <b>Rel.</b> | <b>92 %</b> | <b>TYPE</b> | <b>0,48</b> |
|                  |                    |              |               |              |            |             |             |             | <b>rank</b> | <b>306.</b> |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | 0,72  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | 0,37  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | 0,65  |    |    |   |    |    |
| Fore Udder Attachment | -0,41 |    |    |   |    |    |
| Front Teat Placement  | 0,94  |    |    |   |    |    |
| Teat Length           | -0,28 |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | 0,74  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -1,86 |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,22  |    |    |   |    |    |
| Rear Teat Placement   | -0,11 |    |    |   |    |    |
| Locomotion            | 0,60  |    |    |   |    |    |
| Body Condition        | 0,61  |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>81,9</b> | <b>Frame</b>           | <b>0,21</b>  |
| <b>79,0</b> | <b>Dairy Strength</b>  | <b>0,21</b>  |
| <b>78,6</b> | <b>Feet &amp; Legs</b> | <b>2,52</b>  |
| <b>76,7</b> | <b>Udder</b>           | <b>-0,49</b> |
|             | <b>SHI</b>             | <b>111,5</b> |
|             | <b>rank</b>            | <b>71.</b>   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ELBERT</b>     | <b>NL000102846203</b>             | <b>27.09.1993</b> | <b>LAD-003</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.10.1994     |
|                   |                                   | NLD               | 861432         |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | WHITTIER-FARMS NED BOY  |
| ODYSSEY ELVIRA             |            | US000001806201          |
| US000013005023             | <b>MGD</b> | DREAMSTR ELIZA          |
|                            |            | US000010989762          |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 79 | Daug. | 432 | Rel. | 98 % | <b>SPI</b> | -1114 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>8976</b>                 |            |           |    | -274  |     | -4   | 0,11 | -9         | -0,03 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,88  |
|                             |            |           |    |       |     |      |      | rank       | 676.  |
|                             |            |           |    |       |     |      |      | rank       | 367.  |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 11 | Daug. | 17 | 77,2 | Rel. | 68 % | <b>TYPE</b> | 0,48 |
|                  |             |       |         |       |    |      |      |      | rank        | 307. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,07  |    |    |   |    |    |
| Angularity            | 0,52  |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | -0,05 |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | 0,56  |    |    |   |    |    |
| Fore Udder Attachment | -0,38 |    |    |   |    |    |
| Front Teat Placement  | -0,13 |    |    |   |    |    |
| Teat Length           | -0,41 |    |    |   |    |    |
| Rear Udder Height     | 0,05  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | 0,24  |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | 0,85  |    |    |   |    |    |
| Rear Teat Placement   | 0,85  |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,0 | <b>Frame</b>           | -0,03 |
| 75,6 | <b>Dairy Strength</b>  | 1,45  |
| 79,2 | <b>Feet &amp; Legs</b> | 1,11  |
| 76,2 | <b>Udder</b>           | 0,08  |
|      | <b>SHI</b>             | -14,4 |
|      | rank                   | 410.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>MARYLINE RADICAL-ET</b> | <b>US000135733208</b>             | <b>19.05.2004</b> | <b>PAW-003</b> |
| Country of origin          | US                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 20.01.2005     |
|                            |                                   | USA               | HU2005002790   |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | PARKER AERO WADE-ET         |
| MIL-JOY WADE VIXEN-ET   |            | US000002182318              |
| US000121883236          | <b>PGD</b> | MIL-JOY MASCOT VALENTINO-ET |
|                         |            | US000015147760              |
| <b>Dam</b>              | <b>MGS</b> | REGANCREST ELTON DURHAM-ET  |
| MARYLINE DURHAM OREO-ET |            | US000002250783              |
| US000131118454          | <b>MGD</b> | MARYLINE KJUROR SAMMY-ET    |
|                         |            | US000017061622              |

|                             |            |           |    |          |     |            |              |            |              |             |
|-----------------------------|------------|-----------|----|----------|-----|------------|--------------|------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 32 | Daug.    | 103 | Rel.       | 93 %         | <b>SPI</b> | -505         |             |
| Number controls             |            | <b>BV</b> |    | Milk     |     | Fat        | %            | Prot.      | %            |             |
| <b>2044</b>                 |            |           |    | <b>8</b> |     | <b>-18</b> | <b>-0,36</b> | <b>-0</b>  | <b>-0,02</b> |             |
|                             |            |           |    |          |     |            |              |            | rank         | 532.        |
|                             |            |           |    |          |     |            |              |            | <b>SCS</b>   | <b>3,09</b> |
|                             |            |           |    |          |     |            |              |            | rank         | 660.        |

|                  |             |       |         |       |    |      |      |      |             |      |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 11 | Daug. | 37 | 79,1 | Rel. | 73 % | <b>TYPE</b> | 0,48 |      |
|                  |             |       |         |       |    |      |      |      |             | rank | 308. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,48  |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,62 |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | 0,37  |    |    |   |    |    |
| Front Teat Placement  | 0,53  |    |    |   |    |    |
| Teat Length           | -0,73 |    |    |   |    |    |
| Rear Udder Height     | 0,61  |    |    |   |    |    |
| Rear Udder Width      | -0,22 |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | 0,88  |    |    |   |    |    |
| Rump Width            | -0,48 |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | 0,60  |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

daught. average

80,8 **Frame** 0,13

79,0 **Dairy Strength** 0,62

80,2 **Feet & Legs** 1,09

77,7 **Udder** -0,16

**SHI** 3,9

rank 354.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>SILKY EVERETT-ET</b> | <b>CA000006414808</b> | <b>16.09.1995</b> | <b>MNL-006</b> |
| Country of origin       | CA                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 29.08.2001     |
|                         |                       | CAN               | BT366210       |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US000012593031              |
| <b>Dam</b>               | <b>MGS</b> | MADAWASKA AEROSTAR          |
| JEANRI AEROSTAR CONNIE   |            | CA000000383622              |
| CA000005361334           | <b>MGD</b> | COLDSPRINGS MARK FANCY-ET   |
|                          |            | CA000004387189              |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>33</b> | Daug.       | <b>448</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-1393</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 732.         |
| <b>9589</b>                 |            |           |           | <b>-332</b> |            | <b>-9</b>  | <b>0,06</b>  | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>-0,01</b> | rank       | 602.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>31</b> | 79,0 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>0,48</b> |
|                  |             |       |              |       |           |      |      | rank        | 309.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,34 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,25 |    |    |   |    |    |
| Rump Angle            | -0,69 |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | 0,58  |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | 0,39  |    |    |   |    |    |
| Rear Udder Height     | 0,19  |    |    |   |    |    |
| Rear Udder Width      | 0,46  |    |    |   |    |    |
| Central Ligament      | 0,57  |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 1,06  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | -0,35 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,91</b> |
| 79,7 | <b>Dairy Strength</b>  | <b>0,46</b>  |
| 77,6 | <b>Feet &amp; Legs</b> | <b>0,20</b>  |
| 78,6 | <b>Udder</b>           | <b>1,17</b>  |
|      | <b>SHI</b>             | <b>-23,0</b> |
|      | rank                   | 436.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>LOWLANDS LEOLA</b> | <b>NL000425917132</b> | <b>15.11.2005</b> | <b>SNR-006</b> |
| Country of origin     | NL                    | <b>Breed</b>      | R100           |
| Distributor           | INSEMAS s.r.o.        | Herdbook          | HA             |
|                       |                       | Paternity         | 02.06.2006     |
|                       |                       | NL                | 140498         |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA SPARTA   |
| DELTA CANVAS   |            | NL000137409985 |
| NL000288458773 | <b>PGD</b> | DELTA CANBERRA |
|                |            | NL000141317243 |
| <b>Dam</b>     | <b>MGS</b> | LIGHTNING      |
| JOSEFIEN 13    |            | NL000170475222 |
| NL000337514155 | <b>MGD</b> | JOSEFIEN 8     |
|                |            | NL000193308927 |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>19</b> | Daug.      | <b>184</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1821</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | rank       | 122.        |
| <b>3228</b>                 |            |           |           | <b>220</b> |            | <b>22</b> | <b>0,24</b> | <b>SCS</b> | <b>3,60</b> |
|                             |            |           |           |            |            | <b>14</b> | <b>0,15</b> | rank       | 1157.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 2</b> | Daug. | <b>32</b> | 81,8 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>0,48</b> |
|                  |             |       |              |       |           |      |      | rank        | 310.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,83  |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 1,30  |    |    |   |    |    |
| Rear Legs Side View   | -0,31 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,43  |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | -0,48 |    |    |   |    |    |
| Rear Udder Height     | 0,67  |    |    |   |    |    |
| Rear Udder Width      | 0,84  |    |    |   |    |    |
| Central Ligament      | -0,93 |    |    |   |    |    |
| Udder Depth           | -0,14 |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 0,78  |    |    |   |    |    |
| Rear Teat Placement   | -0,42 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,4 | <b>Frame</b>           | <b>0,78</b>  |
| 81,9 | <b>Dairy Strength</b>  | <b>-1,03</b> |
| 84,8 | <b>Feet &amp; Legs</b> | <b>0,60</b>  |
| 78,5 | <b>Udder</b>           | <b>0,33</b>  |
|      | <b>SHI</b>             | <b>73,9</b>  |
|      | rank                   | 140.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>WIZZARD-ET</b> | <b>DE000347213836</b> | <b>15.12.2000</b> | <b>CES-010</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 18.10.2001     |
|                   |                       | DE                | 01/11557       |

### Pedigree

|                |            |                    |
|----------------|------------|--------------------|
| <b>Sire</b>    | <b>PGS</b> | ETAZON CELSIUS-ET  |
| DELTA WEBSTER  |            | NL000460508522     |
| NL000159659261 | <b>PGD</b> | ETAZON MAONTRAY-ET |
|                |            | NL000461998375     |
| <b>Dam</b>     | <b>MGS</b> | EASTLAND CASH      |
| ZOTTE 34       |            | NL000775328514     |
| DE000341117002 | <b>MGD</b> | ZOTELL             |
|                |            | DE001015221114     |

SUB-005

|                             |            |           |           |            |            |             |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>23</b> | Daug.      | <b>341</b> | Rel.        | <b>98 %</b> | <b>SPI</b> | <b>1653</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.       |             | rank       | 139.        |
| <b>7560</b>                 |            |           |           | <b>101</b> | <b>34</b>  | <b>0,55</b> | <b>9</b>    | <b>SCS</b> | <b>3,59</b> |
|                             |            |           |           |            |            |             |             | rank       | 1153.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>37 / 10</b> | Daug. | <b>140</b> | 80,1 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,47</b> |
|                  |             |       |                |       |            |      |      | rank        | 311.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,26 |    |    | ■ |    |    |
| Angularity            | 0,25  |    |    | ■ |    |    |
| Chest Width           | -0,18 |    |    | ■ |    |    |
| Body Depth            | -0,39 |    |    | ■ |    |    |
| Rump Angle            | -0,19 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,18  |    |    | ■ |    |    |
| Foot Angle            | -0,08 |    |    | ■ |    |    |
| Fore Udder Attachment | 0,86  |    |    | ■ | ■  |    |
| Front Teat Placement  | 1,02  |    |    | ■ | ■  |    |
| Teat Length           | -0,81 |    | ■  | ■ |    |    |
| Rear Udder Height     | 0,09  |    |    | ■ |    |    |
| Rear Udder Width      | -0,31 |    |    | ■ |    |    |
| Central Ligament      | -0,17 |    |    | ■ |    |    |
| Udder Depth           | 0,78  |    |    | ■ | ■  |    |
| Rump Width            | -0,15 |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,44  |    |    | ■ |    |    |
| Rear Teat Placement   | 0,83  |    |    | ■ | ■  |    |
| Locomotion            | 0,64  |    |    | ■ | ■  |    |
| Body Condition        | -0,09 |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,6 | <b>Frame</b>           | <b>-0,37</b> |
| 80,7 | <b>Dairy Strength</b>  | <b>-0,01</b> |
| 82,1 | <b>Feet &amp; Legs</b> | <b>1,09</b>  |
| 77,1 | <b>Udder</b>           | <b>0,60</b>  |
|      | <b>SHI</b>             | <b>68,8</b>  |
|      | rank                   | 152.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>CHARPENTIER BELIEVABLE-ET</b> | <b>CA000102578759</b> | <b>02.06.2004</b> | <b>SOM-017</b> |
| Country of origin                | CA                    | <b>Breed</b>      | R100           |
| Distributor                      | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                  |                       | Paternity         | 24.02.2005     |
|                                  |                       | CA                | DC134536       |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | MAUGHLIN STORM-ET        |
| LADINO PARK TALENT-IMP-ET |            | CA000005457798           |
| AU000000930377            | <b>PGD</b> | MARKWELL LEADER ROSE-ET  |
|                           |            | US000015804313           |
| <b>Dam</b>                | <b>MGS</b> | STBVQ RUBENS-ET          |
| GRANDUC BELIEVE RUBENS-ET |            | CA000005844883           |
| CA000007255624            | <b>MGD</b> | GRANDUC AMY MILESTONE-ET |
|                           |            | CA000006226354           |

|                             |            |           |    |              |     |            |              |            |              |
|-----------------------------|------------|-----------|----|--------------|-----|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.        | 123 | Rel.       | 93 %         | <b>SPI</b> | <b>-4510</b> |
| Number controls             |            | <b>BV</b> |    | Milk         |     | Fat        | %            | Prot.      | %            |
| <b>2116</b>                 |            |           |    | <b>-1043</b> |     | <b>-46</b> | <b>-0,15</b> | <b>-28</b> | <b>0,11</b>  |
|                             |            |           |    |              |     |            |              | <b>SCS</b> | <b>4,05</b>  |
|                             |            |           |    |              |     |            |              | rank       | 1293.        |
|                             |            |           |    |              |     |            |              | rank       | 1245.        |

|                  |             |       |        |       |    |      |      |      |             |             |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 3 | Daug. | 27 | 79,8 | Rel. | 67 % | <b>TYPE</b> | <b>0,47</b> |
|                  |             |       |        |       |    |      |      |      | rank        | 312.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,25 |    |    |   |    |    |
| Angularity            | -0,68 |    |    |   |    |    |
| Chest Width           | 0,51  |    |    |   |    |    |
| Body Depth            | -0,04 |    |    |   |    |    |
| Rump Angle            | 0,35  |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | 0,66  |    |    |   |    |    |
| Fore Udder Attachment | 0,64  |    |    |   |    |    |
| Front Teat Placement  | 0,68  |    |    |   |    |    |
| Teat Length           | 0,57  |    |    |   |    |    |
| Rear Udder Height     | 0,55  |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | 0,98  |    |    |   |    |    |
| Rump Width            | -0,29 |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 83,8 | <b>Frame</b>           | <b>0,09</b>   |
| 79,5 | <b>Dairy Strength</b>  | <b>-1,05</b>  |
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,12</b>  |
| 77,1 | <b>Udder</b>           | <b>1,25</b>   |
|      | <b>SHI</b>             | <b>-117,3</b> |
|      | rank                   | 620.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>COMESTAR LADNER-ET</b> | <b>CA000103455300</b> | <b>20.02.2006</b> | <b>GAD-011</b> |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 27.06.2006     |
|                           |                       | CA                | DC164554       |

### Pedigree

|                                 |            |                            |
|---------------------------------|------------|----------------------------|
| <b>Sire</b>                     | <b>PGS</b> | SHOREMAR JAMES             |
| BRAEDALE GOLDWYN-ET             |            | CA000005902195             |
| CA000010705608                  | <b>PGD</b> | BRAEDALE BALER TWINE-ET    |
| GAD-002                         |            | CA000006860888             |
| <b>Dam</b>                      | <b>MGS</b> | CALBRETT-I H H CHAMPION-ET |
| COMESTAR LAUSINADIA CHAMPION-ET |            | CA000006961162             |
| CA000101760541                  | <b>MGD</b> | COMESTAR LAUSINA STORM     |
|                                 |            | CA000006951750             |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>11</b> | Daug.      | <b>229</b> | Rel.      | <b>96 %</b>  | <b>SPI</b> | <b>-956</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>3046</b>                 |            |           |           | <b>-95</b> |            | <b>-7</b> | <b>-0,08</b> | <b>-1</b>  | <b>-0,16</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,09</b>  |
|                             |            |           |           |            |            |           |              | rank       | 634.         |
|                             |            |           |           |            |            |           |              | rank       | 644.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 2</b> | Daug. | <b>77</b> | 80,4 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>0,47</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 313.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,35  |    |    |   |    |    |
| Angularity            | 0,44  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,81 |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,94  |    |    |   |    |    |
| Front Teat Placement  | 0,58  |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 1,31  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,78  |    |    |   |    |    |
| Udder Depth           | 1,24  |    |    |   |    |    |
| Rump Width            | -0,75 |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | 0,48  |    |    |   |    |    |
| Locomotion            | 0,15  |    |    |   |    |    |
| Body Condition        | -0,63 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,8 | <b>Frame</b>           | <b>-0,49</b> |
| 80,7 | <b>Dairy Strength</b>  | <b>-0,57</b> |
| 80,6 | <b>Feet &amp; Legs</b> | <b>-0,19</b> |
| 78,4 | <b>Udder</b>           | <b>1,68</b>  |
|      | <b>SHI</b>             | <b>-10,2</b> |
|      | rank                   | 393.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>LYSTEL CHICAGO-ET</b> | <b>CA000006780958</b>      | <b>01.06.1997</b> | <b>FOM-003</b>        |
| Country of origin        | CA                         | <b>Breed</b>      | H100                  |
| Distributor              | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                          |                            | Paternity         | 07.07.1997            |
|                          |                            | CAN               | 398671                |

### Pedigree

|                             |                |                               |
|-----------------------------|----------------|-------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN    |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                       |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY             |
| LAD-009                     | US000013008118 |                               |
| <b>Dam</b>                  | <b>MGS</b>     | DUREGAL ASTRE STARBUCK ET     |
| GRANDUC CARLA ASTRE-ET      | CA000000392405 | STB-015                       |
| CA000005931847              | <b>MGD</b>     | CLOVERLANDS SKYLAR CHERRY-RED |
|                             | CA000004807321 |                               |

|                             |              |           |            |           |              |           |              |            |             |
|-----------------------------|--------------|-----------|------------|-----------|--------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017   | Herds     | <b>50</b>  | Daug.     | <b>759</b>   | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>301</b>  |
| Number controls             | <b>15880</b> | <b>BV</b> | Milk       | Fat       | %            | Prot.     | %            | rank       | 367.        |
|                             |              |           | <b>467</b> | <b>-4</b> | <b>-0,39</b> | <b>-4</b> | <b>-0,38</b> | <b>SCS</b> | <b>3,72</b> |
|                             |              |           |            |           |              |           |              | rank       | 1201.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>25 / 11</b> | Daug. | <b>175</b> | 78,5 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,46</b> |
|                  |             |       |                |       |            |      |      | rank        | 314.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    |   |    |    |
| Angularity            | 0,83  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | 0,93  |    |    |   |    |    |
| Rear Legs Side View   | 0,70  |    |    |   |    |    |
| Foot Angle            | -0,47 |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | 0,75  |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | 0,51  |    |    |   |    |    |
| Rear Udder Width      | 0,67  |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | -1,15 |    |    |   |    |    |
| Rump Width            | 0,13  |    |    |   |    |    |
| Rear Legs Rear View   | -0,60 |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | -0,55 |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Frame</b>           | <b>-0,12</b> |
| 80,2 | <b>Dairy Strength</b>  | <b>2,37</b>  |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-2,21</b> |
| 77,0 | <b>Udder</b>           | <b>0,78</b>  |
|      | <b>SHI</b>             | <b>27,5</b>  |
|      | rank                   | 256.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>SHOREMAR MAGNITUDE-ET</b> | <b>CA000006058482</b> | <b>28.03.1994</b> | <b>PEL-005</b> |
| Country of origin            | CA                    | <b>Breed</b>      | H100           |
| Distributor                  | Kanada                | Herdbook          | HA             |
|                              |                       | Paternity         |                |

### Pedigree

|                       |            |                            |
|-----------------------|------------|----------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET |            | CA000000352790             |
| CA000000392457        | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016               |            | US000009739109             |
| <b>Dam</b>            | <b>MGS</b> | A TOWNSON LINDY-ET         |
| SHOREMAR LINDY MAGGIE |            | CA000000382748             |
| CA000005280005        | <b>MGD</b> | MEADOW BRIDGE MEGAN-ET     |
|                       |            | CA000004244417             |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>60</b> | Daug.      | <b>471</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>-677</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>8421</b>                 |            |           |           | <b>-52</b> |            | <b>-5</b> | <b>-0,07</b> | <b>-7</b>  | <b>-0,13</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>2,98</b>  |
|                             |            |           |           |            |            |           |              | rank       | 571.         |
|                             |            |           |           |            |            |           |              | rank       | 497.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 8</b> | Daug. | <b>21</b> | 77,7 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,46</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 315.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,31  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | -0,34 |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | -0,45 |    |    |   |    |    |
| Udder Depth           | -0,21 |    |    |   |    |    |
| Rump Width            | 0,61  |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,3 | <b>Frame</b> | <b>0,46</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,4 | <b>Dairy Strength</b> | <b>0,27</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,0 | <b>Feet &amp; Legs</b> | <b>0,41</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,7 | <b>Udder</b> | <b>0,11</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-2,0</b> |
|--|------------|-------------|

rank 373.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>LOCKER-LANE RW BALAAM-ET</b> | <b>US000137909270</b>             | <b>03.11.2006</b> | <b>BW-050</b>  |
| Country of origin               | US                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 25.01.2007     |
|                                 |                                   | US                | M07022988      |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| JENNY-LOU MRSHL TOYSTORY-ET |            | US000002290977              |
| US000060372887              | <b>PGD</b> | JENNY-LOU PATRON TOYANE     |
| BW-053                      |            | US000017313307              |
| <b>Dam</b>                  | <b>MGS</b> | COMESTAR OUTSIDE-ET         |
| LOCKER-LANE OUTSIDE BABE-ET |            | CA000006026421              |
| US000134513191              | <b>MGD</b> | LOCKER-LANE RULPH BRITTANY  |
|                             |            | US000121752150              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>13</b> | Daug.      | <b>145</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>2164</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 82.         |
| <b>2130</b>                 |            |           |           | <b>576</b> |            | <b>19</b> | <b>-0,07</b> | <b>SCS</b> | <b>2,46</b> |
|                             |            |           |           |            |            | <b>13</b> | <b>-0,09</b> | rank       | 64.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 6</b> | Daug. | <b>42</b> | 81,4 | Rel. | <b>75 %</b> | <b>TYPE</b> | <b>0,45</b> |
|                  |             |       |               |       |           |      |      | rank        | 316.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,33  |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,29  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | 1,18  |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | 0,96  |    |    |   |    |    |
| Rear Udder Height     | -0,26 |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | 0,33  |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | -0,42 |    |    |   |    |    |
| Body Condition        | 0,29  |    |    |   |    |    |

daught. average

84,9 **Frame** **0,60**

82,0 **Dairy Strength** **0,56**

82,0 **Feet & Legs** **-0,69**

78,9 **Udder** **0,49**

**SHI** **83,4**

rank 120.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>RIDGE-STAR JAMMER-ET</b> | <b>US000130247861</b>             | <b>06.06.2000</b> | <b>MNA-017</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 22.02.2005     |
|                             |                                   | US                | IMMGN 21319A   |

### Pedigree

|                           |                |                             |
|---------------------------|----------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b>     | BIS-MAY S-E-L MOUNTAIN-ET   |
| DE-KA-ACRES MOUNT EARL-ET | US000002070579 | RAY-002                     |
| US000002261692            | <b>PGD</b>     | ROCKY-VU ELTON EDNA ELI-ET  |
|                           | US000014189172 |                             |
| <b>Dam</b>                | <b>MGS</b>     | ZIELLAND ZEBO               |
| RIDGE-STAR ZEBO JOYOUS    | US000002137511 | MEW-003                     |
| US000015867999            | <b>MGD</b>     | RIDGE-STAR LEADMAN JULIE-ET |
|                           | US000014244258 |                             |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 12 | Daug. | 347 | Rel. | 98 % | <b>SPI</b> | 1461        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>6733</b>                 |            |           |    | 275   | 16  | 0,09 | 10   | 0,03       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 160.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 306.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 28 / 4 | Daug. | 236 | 81,3 | Rel. | 94 % | <b>TYPE</b> | 0,45 |
|                  |             |       |        |       |     |      |      |      | rank        | 317. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,80  |    |    |   |    |    |
| Angularity            | 0,05  |    |    |   |    |    |
| Chest Width           | -0,58 |    |    |   |    |    |
| Body Depth            | -0,80 |    |    |   |    |    |
| Rump Angle            | 1,10  |    |    |   |    |    |
| Rear Legs Side View   | -0,42 |    |    |   |    |    |
| Foot Angle            | 0,02  |    |    |   |    |    |
| Fore Udder Attachment | 0,81  |    |    |   |    |    |
| Front Teat Placement  | 0,55  |    |    |   |    |    |
| Teat Length           | -0,67 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | 0,00  |    |    |   |    |    |
| Central Ligament      | 0,38  |    |    |   |    |    |
| Udder Depth           | 1,13  |    |    |   |    |    |
| Rump Width            | -0,71 |    |    |   |    |    |
| Rear Legs Rear View   | 0,59  |    |    |   |    |    |
| Rear Teat Placement   | 1,01  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,06 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,8 | <b>Frame</b>           | <b>0,30</b>  |
| 79,4 | <b>Dairy Strength</b>  | <b>-1,59</b> |
| 83,0 | <b>Feet &amp; Legs</b> | <b>0,52</b>  |
| 80,0 | <b>Udder</b>           | <b>1,14</b>  |
|      | <b>SHI</b>             | <b>62,1</b>  |
|      | rank                   | 172.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RONELEE SUPER DEAN-ET</b> | <b>US000140969366</b>      | <b>03.11.2010</b> | <b>AML-007</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 29.07.2011 |
|                   |                                   | US           | M11079079  |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | END-ROAD PVF BOLIVER-ET     |
| CHARLESDALE SUPERSTITION-ET |            | US000123586443              |
| US000062065919              | <b>PGD</b> | CHARLESDALE SWEET STAR      |
| AML-004                     |            | US000133701030              |
| <b>Dam</b>                  | <b>MGS</b> | JENNY-LOU MRSHL TOYSTORY-ET |
| RONELEE TOYSTORY DARVA      |            | US000060372887              |
| US000138151278              | <b>MGD</b> | RONELEE OUTSIDE DABBLE-ET   |
|                             |            | US000134644585              |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>317</b> | Rel.      | <b>96 %</b>  | <b>SPI</b> | <b>3732</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | rank       | 19.         |
| <b>3451</b>                 |            |           |           | <b>1087</b> |            | <b>10</b> | <b>-0,50</b> | <b>SCS</b> | <b>2,50</b> |
|                             |            |           |           |             |            |           |              | rank       | 80.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>46 / 10</b> | Daug. | <b>157</b> | 81,7 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,44</b> |
|                  |             |       |                |       |            |      |      | rank        | 318.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | 0,39  |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | -0,13 |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | 0,66  |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | 0,62  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 1,74  |    |    |   |    |    |
| Rump Width            | 0,02  |    |    |   |    |    |
| Rear Legs Rear View   | -0,22 |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 84,6 | <b>Frame</b>           | <b>0,23</b>  |
|                 | 81,8 | <b>Dairy Strength</b>  | <b>0,75</b>  |
|                 | 82,6 | <b>Feet &amp; Legs</b> | <b>-0,38</b> |
|                 | 79,8 | <b>Udder</b>           | <b>0,27</b>  |
|                 |      | <b>SHI</b>             | <b>130,3</b> |
|                 |      | rank                   | 40.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>LEW-ET</b>     | <b>DE001015215049</b>      | <b>14.01.1992</b> | <b>LAD-010</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 02.07.1997            |
|                   |                            | SVK               | 9302817               |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | HANOVERHILL STARBUCK    |
| DORIS 48                   |            | CA000000352790          |
| DE001015122226             | <b>MGD</b> | DOLLITA 105             |
|                            |            | DE001004581489          |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 125 | Rel.  | 95 % | <b>SPI</b> | 1813       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 2658                        |            |           |    | 483   | 19  | -0,00 | 10   | -0,11      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 123.       |
|                             |            |           |    |       |     |       |      |            | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 843.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 42 | 77,4 | Rel. | 75 % | <b>TYPE</b> | 0,44 |
|                  |             |       |       |       |    |      |      |      | rank        | 319. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,56  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | 0,70  |    |    |   |    |    |
| Body Depth            | 0,62  |    |    |   |    |    |
| Rump Angle            | -0,64 |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -1,24 |    |    |   |    |    |
| Front Teat Placement  | -0,76 |    |    |   |    |    |
| Teat Length           | 2,60  |    |    |   |    |    |
| Rear Udder Height     | 0,00  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,32  |    |    |   |    |    |
| Udder Depth           | -0,75 |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | -0,71 |    |    |   |    |    |
| Rear Teat Placement   | 0,49  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

82,1 **Frame** 0,91

77,3 **Dairy Strength** 1,66

78,5 **Feet & Legs** 0,91

74,6 **Udder** -0,77

**SHI** 72,4

rank 143.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>BEAUCOISE KARUSO</b> | <b>CA000005394257</b>             | <b>30.01.1991</b> | <b>LID-004</b> |
| Country of origin       | CA                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 29.11.1991     |
|                         |                                   | CAN               | 262740         |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | S-W-D VALIANT             |
| A TOWNSON LINDY-ET         |            | US000001650414            |
| CA000000382748             | <b>PGD</b> | TOWNSON ELEVATION LINDY   |
|                            |            | US000008721357            |
| <b>Dam</b>                 | <b>MGS</b> | BIS-MAY TRADITION CLEITUS |
| BEAUCOISE CLEIT KRISTIN-ET |            | US000001879085            |
| CA0000004755611            | <b>MGD</b> | BEAUCOISE STARBRIGHT KABA |
|                            |            | CA000003828902            |
|                            |            | CLE-003                   |

|                             |            |           |            |             |            |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>107</b> | Daug.       | <b>941</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1877</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        | %            | rank       | 849.         |
| <b>19644</b>                |            |           |            | <b>-314</b> |            | <b>-17</b> | <b>-0,11</b> | <b>SCS</b> | <b>3,28</b>  |
|                             |            |           |            |             |            | <b>-15</b> | <b>-0,13</b> | rank       | 880.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>26 / 15</b> | Daug. | <b>126</b> | 76,7 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,44</b> |
|                  |             |       |                |       |            |      |      | rank        | 320.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | 0,17  |    |    |   |    |    |
| Rump Angle            | 0,55  |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -1,27 |    |    |   |    |    |
| Teat Length           | -0,97 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,08  |    |    |   |    |    |
| Central Ligament      | 0,71  |    |    |   |    |    |
| Udder Depth           | 0,64  |    |    |   |    |    |
| Rump Width            | 0,80  |    |    |   |    |    |
| Rear Legs Rear View   | 0,64  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,5 | <b>Frame</b> | <b>0,85</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 74,2 | <b>Dairy Strength</b> | <b>1,37</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,36</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 75,6 | <b>Udder</b> | <b>-0,52</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-38,9</b> |
|--|------------|--------------|

rank 479.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>Q G TIFANO-ET</b> | <b>NL000124882964</b> | <b>01.11.1994</b> | <b>PEL-009</b> |
| Country of origin    | NL                    | <b>Breed</b>      | H100           |
| Distributor          | Holstein, Holandsko   | Herdbook          | HA             |
|                      |                       | Paternity         | ...            |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>  | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790                     |
| RONNYBROOK PRELUDE-ET<br>CA000000392457<br>STB-016 | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO<br>US000009739109               |
| <b>Dam</b>   | <b>MGS</b> | BIS-MAY TRADITION CLEITUS<br>US000001879085 <b>CLE-003</b> |
| DELTA TIFFANI<br>NL000317665767                    | <b>MGD</b> | WALKUP VALIANT LOU ELLA<br>US000010930744                  |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>61</b> | Daug.       | <b>189</b> | Rel.       | <b>96 %</b> | <b>SPI</b> | <b>-1826</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 837.         |
| <b>3533</b>                 |            |           |           | <b>-507</b> |            | <b>-6</b>  | <b>0,27</b> | <b>SCS</b> | <b>3,31</b>  |
|                             |            |           |           |             |            | <b>-15</b> | <b>0,01</b> | rank       | 933.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 8</b> | Daug. | <b>12</b> | 77,0 | Rel. | <b>59 %</b> | <b>TYPE</b> | <b>0,43</b> |
|                  |             |       |              |       |           |      |      | rank        | 321.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,75  |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | 1,41  |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,38 |    |    |   |    |    |
| Teat Length           | -1,13 |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 0,48  |    |    |   |    |    |
| Udder Depth           | -0,45 |    |    |   |    |    |
| Rump Width            | 0,57  |    |    |   |    |    |
| Rear Legs Rear View   | -0,27 |    |    |   |    |    |
| Rear Teat Placement   | 0,65  |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,2 | <b>Frame</b>           | <b>0,86</b>  |
| 74,6 | <b>Dairy Strength</b>  | <b>0,90</b>  |
| 76,1 | <b>Feet &amp; Legs</b> | <b>0,48</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,28</b> |
|      | <b>SHI</b>             | <b>-37,8</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>AEROSTAR</b>   | <b>DE000021171499</b>             | <b>02.05.1992</b> | <b>ARS-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK   |
| MADAWASKA AEROSTAR |            | CA000000352790         |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY        |
| STB-011            |            | CA0000003511527        |
| <b>Dam</b>         | <b>MGS</b> | WHITTIER-FARMS NED BOY |
| GERLINDE           |            | US000001806201         |
| DE001020613638     | <b>MGD</b> | GENIA                  |
|                    |            | DE001020332310         |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>268</b> | Daug.       | <b>2438</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1601</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 788.         |
| <b>48914</b>                |            |           |            | <b>-400</b> |             | <b>-12</b> | <b>0,05</b> | <b>SCS</b> | <b>2,97</b>  |
|                             |            |           |            |             |             | <b>-11</b> | <b>0,03</b> | rank       | 484.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>51 / 32</b> | Daug. | <b>167</b> | 76,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,42</b> |
|                  |             |       |                |       |            |      |      | rank        | 322.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,09  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,85  |    |    |   |    |    |
| Rump Angle            | -0,82 |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | 0,11  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | 0,40  |    |    |   |    |    |
| Udder Depth           | 0,11  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | 0,52  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,7 | <b>Frame</b>           | <b>0,59</b>  |
| 74,8 | <b>Dairy Strength</b>  | <b>1,84</b>  |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,43</b> |
| 76,1 | <b>Udder</b>           | <b>-0,11</b> |
|      | <b>SHI</b>             | <b>-31,3</b> |
|      | rank                   | 458.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>MEGA FANATIC-ET</b> | <b>NL000239484673</b> | <b>12.09.1998</b> | <b>TUL-002</b> |
| Country of origin      | Breed                 |                   | R100           |
| NL                     | Herdbook              |                   | HA             |
| Distributor            | Paternity             |                   |                |

### Pedigree

|                   |            |                        |
|-------------------|------------|------------------------|
| <b>Sire</b>       | <b>PGS</b> | DOMAR NIGHTHAWK        |
| SUBLIEM TULIP RED |            | CA000005004326         |
| NL000815222426    | <b>PGD</b> | BATENBURG BAT TINA 824 |
| NIK-001           |            | NL000458657432         |
| <b>Dam</b>        | <b>MGS</b> | EVREUX CLE-ET          |
| ELLENA CLE-ET     |            | FR003789007571         |
| DE000577049496    | <b>MGD</b> | ELENA                  |
|                   |            | DE001015201284         |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>135</b> | Daug.       | <b>1463</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>697</b>  |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       | %           | Prot.      | %           |
| <b>28951</b>                |            |           |            | <b>-187</b> |             | <b>29</b> | <b>0,69</b> | <b>3</b>   | <b>0,19</b> |
|                             |            |           |            |             |             |           |             | <b>SCS</b> | <b>3,58</b> |
|                             |            |           |            |             |             |           |             | rank       | 1150.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 10</b> | Daug. | <b>168</b> | 77,6 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>0,42</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 323.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,84 |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,93  |    |    |   |    |    |
| Rump Angle            | -0,50 |    |    |   |    |    |
| Rear Legs Side View   | 0,65  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | 1,00  |    |    |   |    |    |
| Teat Length           | -0,67 |    |    |   |    |    |
| Rear Udder Height     | 0,86  |    |    |   |    |    |
| Rear Udder Width      | 1,20  |    |    |   |    |    |
| Central Ligament      | -0,52 |    |    |   |    |    |
| Udder Depth           | -0,86 |    |    |   |    |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | 0,11  |    |    |   |    |    |
| Rear Teat Placement   | 1,03  |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>-0,88</b> |
| 78,4 | <b>Dairy Strength</b>  | <b>1,01</b>  |
| 77,3 | <b>Feet &amp; Legs</b> | <b>-1,33</b> |
| 76,4 | <b>Udder</b>           | <b>1,51</b>  |
|      | <b>SHI</b>             | <b>37,9</b>  |
|      | rank                   | 239.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |              |                |
|----------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date   | State Register |
| <b>SHOREMAR JAVELIN-ET</b> | <b>CA000006234440</b> | 15.09.1994   | <b>PEL-007</b> |
| Country of origin          | CA                    | <b>Breed</b> | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook     | HA             |
|                            |                       | Paternity    | ...            |

### Pedigree

|                       |            |                            |
|-----------------------|------------|----------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET |            | CA000000352790             |
| CA000000392457        | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016               |            | US000009739109             |
| <b>Dam</b>            | <b>MGS</b> | MEADOLAKE JUBILANT-ET      |
| HORIZON JOY           |            | CA000000376455             |
| CA000005156088        | <b>MGD</b> | A JA-BOB MARK HEAVENLY JOY |
|                       |            | US000012340765             |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 62 | Daug. | 346 | Rel. | 98 % | <b>SPI</b> | -2727 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 6395                        |            |           |    | -770  |     | -10  | 0,41 | -21        | 0,05  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,13  |
|                             |            |           |    |       |     |      |      | rank       | 1026. |
|                             |            |           |    |       |     |      |      | rank       | 693.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 5 | Daug. | 11 | 78,1 | Rel. | 62 % | <b>TYPE</b> | 0,42 |
|                  |             |       |       |       |    |      |      |      | rank        | 324. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,25  |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | 0,28  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | -0,66 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | -0,14 |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 0,87  |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | 0,68  |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | 0,29  |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

82,1 **Frame** 0,49

75,0 **Dairy Strength** 0,62

78,8 **Feet & Legs** 0,52

77,3 **Udder** 0,06

**SHI** -65,5

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>LA PRESENTATION WINDOWS-ET</b> | <b>CA000009098171</b> | <b>31.01.1999</b> | <b>WIT-004</b> |
| Country of origin                 | CA                    | <b>Breed</b>      | H100           |
| Distributor                       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                   |                       | Paternity         | 13.08.1999     |
|                                   |                       | CAN               | BT440811       |

### Pedigree

|                           |                |                               |
|---------------------------|----------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b>     | MADAWASKA AEROSTAR            |
| LADYS-MANOR WINCHESTER-ET | CA000000383622 | STB-011                       |
| US000002205082            | <b>PGD</b>     | LADYS-MANOR TOP GUN JEMINI-ET |
|                           | US000013586096 |                               |
| <b>Dam</b>                | <b>MGS</b>     | COMBINATION SUPERSIRE         |
| LA PRESENTATION DAUREL-ET | CA000000400935 | VAL-018                       |
| CA000006338056            | <b>MGD</b>     | NAKINA BLACKSTAR JENNY-ET     |
|                           | CA000005140365 |                               |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>82</b> | Daug.      | <b>1674</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-140</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 456.        |
| <b>33146</b>                |            |           |           | <b>126</b> |             | <b>-3</b> | <b>-0,15</b> | <b>SCS</b> | <b>3,17</b> |
|                             |            |           |           |            |             | <b>-4</b> | <b>-0,17</b> | rank       | 754.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>58 / 20</b> | Daug. | <b>355</b> | 78,5 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,42</b> |
|                  |             |       |                |       |            |      |      | rank        | 325.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,06  |    |    |   |    |    |
| Angularity            | -0,14 |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | 1,57  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,62 |    |    |   |    |    |
| Fore Udder Attachment | 0,81  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -0,68 |    |    |   |    |    |
| Rear Udder Height     | 1,03  |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | 0,43  |    |    |   |    |    |
| Udder Depth           | 1,21  |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 1,02  |    |    |   |    |    |
| Locomotion            | -0,39 |    |    |   |    |    |
| Body Condition        | 0,03  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,5 | <b>Frame</b>           | <b>0,25</b>  |
| 79,0 | <b>Dairy Strength</b>  | <b>-0,03</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-2,01</b> |
| 77,0 | <b>Udder</b>           | <b>1,50</b>  |
|      | <b>SHI</b>             | <b>12,5</b>  |
|      | rank                   | 326.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>CHORUSIC KEKS-ET</b>  | <b>CZ000525408021</b>                    | <b>18.09.2006</b> | <b>GAD-007</b>        |
| <b>Country of origin</b> | <b>CZ</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>10.01.2007</b>     |
|                          |  | <b>CZ</b>         | <b>0700035</b>        |

### Pedigree

|                         |            |                         |
|-------------------------|------------|-------------------------|
| <b>Sire</b>             | <b>PGS</b> | SHOREMAR JAMES          |
| BRAEDALE GOLDWYN-ET     |            | CA000005902195          |
| CA000010705608          | <b>PGD</b> | BRAEDALE BALER TWINE-ET |
| GAD-002                 |            | CA000006860888          |
| <b>Dam</b>              | <b>MGS</b> | FUSTEAD EMORY BLITZ-ET  |
| KILDARE BLITZ LATOYA-ET |            | US000017013604          |
| CA000008278824          | <b>MGD</b> | KILDARE PICOLEE-ET      |
|                         |            | CA000010501032          |

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>85</b>  | <b>Daug.</b> | <b>2282</b>  | <b>Rel.</b>  | <b>99 %</b> | <b>SPI</b>  | <b>757</b>  |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> |             | <b>288.</b> |
| <b>30142</b>                |                   | <b>193</b>   | <b>9</b>   | <b>0,01</b>  | <b>4</b>     | <b>-0,05</b> | <b>SCS</b>  | <b>2,13</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              |             |             | <b>12.</b>  |

|                  |                    |              |                |              |            |             |             |             |             |             |
|------------------|--------------------|--------------|----------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>63 / 24</b> | <b>Daug.</b> | <b>504</b> | <b>80,7</b> | <b>Rel.</b> | <b>97 %</b> | <b>TYPE</b> | <b>0,41</b> |
|                  |                    |              |                |              |            |             |             |             | <b>rank</b> | <b>326.</b> |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | 1,27  |    |    |   |    |    |
| Chest Width           | -1,11 |    |    |   |    |    |
| Body Depth            | -0,74 |    |    |   |    |    |
| Rump Angle            | -0,25 |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | 0,48  |    |    |   |    |    |
| Front Teat Placement  | 0,20  |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,79  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 0,51  |    |    |   |    |    |
| Rump Width            | -1,24 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,90 |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>82,8</b> | <b>Frame</b>           | <b>-1,35</b> |
| <b>81,3</b> | <b>Dairy Strength</b>  | <b>0,37</b>  |
| <b>81,8</b> | <b>Feet &amp; Legs</b> | <b>-0,79</b> |
| <b>78,6</b> | <b>Udder</b>           | <b>2,04</b>  |
|             | <b>SHI</b>             | <b>39,4</b>  |
|             | <b>rank</b>            | <b>234.</b>  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ELWOOD-ET</b>  | <b>NL000429467307</b>             | <b>10.08.2007</b> | <b>SOG-011</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 05.05.2008     |
|                   |                                   | NL                | 173010         |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | STADEL RED                 |
| ALPAR STADEL ELAYO RED-ET |            | DE001015240086             |
| IT004902063469            | <b>PGD</b> | ALPAR FACTOR VIENNA RED    |
|                           |            | IT000401039395             |
| <b>Dam</b>                | <b>MGS</b> | PURSUIT SEPTEMBER STORM-ET |
| HUIJBEN RED SEPTEMBER     |            | CA000006820564             |
| NL000426265948            | <b>MGD</b> | HUIJBEN PIETJE 514         |
|                           |            | NL000256660889             |
|                           |            | SOM-024                    |

|                             |            |           |    |            |     |           |              |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug.      | 751 | Rel.      | 98 %         | <b>SPI</b> | 2198        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | rank       | 79.         |
| <b>5343</b>                 |            |           |    | <b>407</b> |     | <b>14</b> | <b>-0,04</b> | <b>19</b>  | <b>0,13</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 2,42        |
|                             |            |           |    |            |     |           |              | rank       | 51.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 30 | 80,7 | Rel. | 66 % | <b>TYPE</b> | 0,41 |
|                  |             |       |       |       |    |      |      | rank | 327.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,37 |    |    |   |    |    |
| Angularity            | 0,65  |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | 0,43  |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,55  |    |    |   |    |    |
| Front Teat Placement  | 0,36  |    |    |   |    |    |
| Teat Length           | -1,49 |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | -0,19 |    |    |   |    |    |
| Central Ligament      | -0,06 |    |    |   |    |    |
| Udder Depth           | 1,23  |    |    |   |    |    |
| Rump Width            | -0,81 |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,1 | <b>Frame</b>           | <b>-0,65</b> |
| 81,6 | <b>Dairy Strength</b>  | <b>0,32</b>  |
| 82,2 | <b>Feet &amp; Legs</b> | <b>0,40</b>  |
| 78,9 | <b>Udder</b>           | <b>0,97</b>  |
|      | <b>SHI</b>             | <b>82,7</b>  |
|      | rank                   | 121.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>STOLZER ET</b> | <b>DE000015226846</b> | <b>01.06.1992</b> | <b>STU-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         | ...            |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | WALKWAY CHIEF MARK         |
| ROC-HIL-VAL MARK STUFFY-ET |            | US000001773417             |
| US000002018457             | <b>PGD</b> | ROC-HIL-VAL GLENDELL SABRA |
|                            |            | US000009091084             |
| <b>Dam</b>                 | <b>MGS</b> | S-W-D VALIANT              |
| MISS TL                    |            | US000001650414             |
| DE001015133860             | <b>MGD</b> | MEIKE                      |
|                            |            | DE001004584758             |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>105</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-2205</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | Prot.      | %            |
| <b>2220</b>                 |            |           |           | <b>-490</b> |            | <b>-19</b> | <b>-0,01</b> | <b>-16</b> | <b>-0,02</b> |
|                             |            |           |           |             |            |            |              | <b>SCS</b> | <b>3,03</b>  |
|                             |            |           |           |             |            |            |              | rank       | 912.         |
|                             |            |           |           |             |            |            |              | rank       | 576.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 6</b> | Daug. | <b>25</b> | 75,4 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>0,41</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 328.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,36  |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | 0,72  |    |    |   |    |    |
| Body Depth            | 0,80  |    |    |   |    |    |
| Rump Angle            | 0,46  |    |    |   |    |    |
| Rear Legs Side View   | 0,43  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,02 |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | -1,13 |    |    |   |    |    |
| Rear Udder Width      | -0,34 |    |    |   |    |    |
| Central Ligament      | -0,34 |    |    |   |    |    |
| Udder Depth           | -0,64 |    |    |   |    |    |
| Rump Width            | 0,51  |    |    |   |    |    |
| Rear Legs Rear View   | -0,51 |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 77,4 | <b>Frame</b> | <b>1,14</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 73,2 | <b>Dairy Strength</b> | <b>1,79</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,2 | <b>Feet &amp; Legs</b> | <b>-0,60</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,2 | <b>Udder</b> | <b>-0,39</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-50,2</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>COUL-ET</b>    | <b>CZ000070746384</b>             | <b>27.03.1998</b> | <b>ERY-002</b> |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.04.1999     |
|                   |                                   | CSK               | 4704/35        |

### Pedigree

|   |            |   |         |
|---|------------|---|---------|
| <b>Sire</b>                             | <b>PGS</b> | MADAWASKA AEROSTAR<br>CA000000383622    | STB-011 |
| PEN-COL EMERY-ET<br>US000002174868      | <b>PGD</b> | MIKAL ROTATE EULA-ET<br>US000013804086  |         |
| <b>Dam</b>                              | <b>MGS</b> | MADAWASKA AEROSTAR<br>CA000000383622    | STB-011 |
| SIEKILA AEROSTAR LUCI<br>US000015182875 | <b>MGD</b> | MCKARNS MARK LUCY 773<br>US000012985420 |         |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.      | <b>124</b> | Rel.     | <b>94 %</b>  | <b>SPI</b> | <b>884</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 266.         |
| <b>2065</b>                 |            |           |           | <b>274</b> |            | <b>6</b> | <b>-0,09</b> | <b>5</b>   | <b>-0,07</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,03</b>  |
|                             |            |           |           |            |            |          |              | rank       | 574.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 8</b> | Daug. | <b>25</b> | 78,2 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>0,41</b> |
|                  |             |       |               |       |           |      |      | rank        | 329.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    | ■ |    |    |
| Angularity            | 0,73  |    |    |   | ■  | ■  |
| Chest Width           | -0,49 |    |    | ■ |    |    |
| Body Depth            | -0,56 |    |    | ■ |    |    |
| Rump Angle            | 0,25  |    |    |   | ■  |    |
| Rear Legs Side View   | -0,49 |    |    | ■ |    |    |
| Foot Angle            | -0,25 |    |    | ■ |    |    |
| Fore Udder Attachment | 0,34  |    |    |   | ■  |    |
| Front Teat Placement  | -0,32 |    |    | ■ |    |    |
| Teat Length           | -0,16 |    |    | ■ |    |    |
| Rear Udder Height     | 0,77  |    |    |   | ■  | ■  |
| Rear Udder Width      | 0,24  |    |    |   | ■  |    |
| Central Ligament      | 0,22  |    |    |   | ■  |    |
| Udder Depth           | -0,36 |    |    | ■ |    |    |
| Rump Width            | -0,70 |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   | ■  |    |
| Rear Teat Placement   | -0,31 |    |    | ■ |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,4 | <b>Frame</b>           | <b>-0,97</b> |
| 77,1 | <b>Dairy Strength</b>  | <b>0,97</b>  |
| 78,4 | <b>Feet &amp; Legs</b> | <b>-0,20</b> |
| 78,7 | <b>Udder</b>           | <b>1,09</b>  |
|      | <b>SHI</b>             | <b>42,9</b>  |
|      | rank                   | 222.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>SILDAHL BW DUTCH BOY-ET</b> | <b>US000017058140</b> | <b>19.06.1996</b> | <b>BW-016</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 27.11.1996 |
|                   |                                   | USA          | IG227996A  |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| MAIZEFIELD BELLWOOD-ET    |            | US000001879149             |
| US000002103297            | <b>PGD</b> | BREN-WAY BELL BETSY        |
| MEW-004                   |            | US000012052401             |
| <b>Dam</b>                | <b>MGS</b> | SILDAHL LASER-ET           |
| BALLAND LASER DUTCHESS-TW |            | US000002115255             |
| US000014911435            | <b>MGD</b> | BALLAND INSPIRATION ARLENE |
|                           |            | US000013875857             |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.      | <b>936</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2900</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 40.          |
| <b>19976</b>                |            |           |           | <b>839</b> |            | <b>14</b> | <b>-0,31</b> | <b>21</b>  | <b>-0,10</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>2,76</b>  |
|                             |            |           |           |            |            |           |              | rank       | 246.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>77 / 25</b> | Daug. | <b>471</b> | 78,8 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,40</b> |
|                  |             |       |                |       |            |      |      | rank        | 330.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,00  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | -0,89 |    |    |   |    |    |
| Body Depth            | 0,01  |    |    |   |    |    |
| Rump Angle            | 1,38  |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | 0,50  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | -0,01 |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | 0,44  |    |    |   |    |    |
| Central Ligament      | -1,18 |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | -0,63 |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | -0,95 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,47 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,8 | <b>Frame</b> | <b>0,56</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,9 | <b>Dairy Strength</b> | <b>-0,15</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,99</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 77,3 | <b>Udder</b> | <b>-0,07</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>103,5</b> |
|--|------------|--------------|

rank 85.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JENORVI</b>    | <b>FR005994009420</b>             | <b>16.06.1994</b> | <b>OS-001</b>  |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 07.07.1999     |
|                   |                                   | FRA               | 574875         |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | WHITTIER-FARMS NED BOY    |
| ART-ACRES NED BOY OSCAR-ET |            | US000001806201            |
| US000002035598             | <b>PGD</b> | ART-ACRES KAY O-ET        |
|                            |            | US000011105756            |
| <b>Dam</b>                 | <b>MGS</b> | BIS-MAY TRADITION CLEITUS |
| WA-DEL CLEITUS CINDY-ET    |            | US000001879085            |
| US000013372706             | <b>MGD</b> | NOR-VI VALOR ZADA         |
|                            |            | US000011407557            |
|                            |            | CLE-003                   |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>158</b> | Daug.      | <b>1869</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-13</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |              | rank       | 427.        |
| <b>35830</b>                |            |           |            | <b>-85</b> |             | <b>11</b> | <b>0,27</b>  | <b>SCS</b> | <b>2,76</b> |
|                             |            |           |            |            |             | <b>-3</b> | <b>-0,02</b> | rank       | 243.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>81 / 31</b> | Daug. | <b>426</b> | 78,0 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,40</b> |
|                  |             |       |                |       |            |      |      | rank        | 331.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,14  |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | 0,27  |    |    |   |    |    |
| Body Depth            | 0,28  |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | -0,14 |    |    |   |    |    |
| Front Teat Placement  | -0,10 |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | 0,44  |    |    |   |    |    |
| Rear Udder Width      | 0,53  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,49 |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,87  |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | 0,32  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>0,33</b>  |
| 77,0 | <b>Dairy Strength</b>  | <b>-0,56</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>1,58</b>  |
| 77,0 | <b>Udder</b>           | <b>0,10</b>  |
|      | <b>SHI</b>             | <b>15,5</b>  |
|      | rank                   | 310.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>Q G RUBYSTAR-ET</b> | <b>NL000174383657</b>             | <b>02.02.1996</b> | <b>ELV-001</b> |
| Country of origin      | NL                                | <b>Breed</b>      | H100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 02.08.1996     |
|                        |                                   | NLD               | 174383657      |

### Pedigree

|                         |            |                              |
|-------------------------|------------|------------------------------|
| <b>Sire</b>             | <b>PGS</b> | MEL-EST VALIANT IROSE MELVIN |
| GEN-ACE PETRUM LD ELVIN |            | US000001818972               |
| US000002019612          | <b>PGD</b> | GEN-ACE BOVA MAJESTY         |
| MIN-001                 |            | US000011895536               |
| <b>Dam</b>              | <b>MGS</b> | TESK-HOLM VALIANT ROCKIE     |
| LENZWAY TEKS RUBYTED-ET |            | US000001841366               |
| US000014655652          | <b>MGD</b> | ROBTHOM RUBY-ET              |
|                         |            | US000013802763               |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>98</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1692</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 810.         |
| <b>1686</b>                 |            |           |           | <b>-328</b> |           | <b>-15</b> | <b>-0,06</b> | <b>SCS</b> | <b>3,63</b>  |
|                             |            |           |           |             |           | <b>-13</b> | <b>-0,07</b> | rank       | 1169.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 8</b> | Daug. | <b>24</b> | 76,1 | Rel. | <b>64 %</b> | <b>TYPE</b> | <b>0,40</b> |
|                  |             |       |              |       |           |      |      | rank        | 332.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,15 |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | 0,73  |    |    |   |    |    |
| Rump Angle            | -0,56 |    |    |   |    |    |
| Rear Legs Side View   | 0,13  |    |    |   |    |    |
| Foot Angle            | -0,76 |    |    |   |    |    |
| Fore Udder Attachment | -0,31 |    |    |   |    |    |
| Front Teat Placement  | -0,75 |    |    |   |    |    |
| Teat Length           | 0,26  |    |    |   |    |    |
| Rear Udder Height     | 1,04  |    |    |   |    |    |
| Rear Udder Width      | 1,23  |    |    |   |    |    |
| Central Ligament      | -0,51 |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | 0,37  |    |    |   |    |    |
| Rear Teat Placement   | -0,02 |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,3 | <b>Frame</b>           | <b>0,08</b>  |
| 74,6 | <b>Dairy Strength</b>  | <b>0,91</b>  |
| 74,6 | <b>Feet &amp; Legs</b> | <b>-0,59</b> |
| 76,2 | <b>Udder</b>           | <b>0,37</b>  |
|      | <b>SHI</b>             | <b>-35,2</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>HUN ALCSI VENDEG CONVINCER-ET</b> | <b>HU003213626166</b> | <b>04.03.2000</b> | <b>ELN-006</b> |
| Country of origin                    | HU                    | <b>Breed</b>      | H100           |
| Distributor                          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                      |                       | Paternity         | 31.08.2000     |
|                                      |                       | HUN               | 24242/00       |

### Pedigree

|                         |            |                           |         |
|-------------------------|------------|---------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | EMPRISE BELL ELTON        |         |
| WA-DEL CONVINCER-ET     |            | US000001912270            |         |
| US000002249055          | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET   |         |
| ELN-002                 |            | US000013372706            |         |
| <b>Dam</b>              | <b>MGS</b> | SHOREMAR MASON-ET         | LID-001 |
| SUMMERSHADE ILENE MASON |            | CA000005279989            |         |
| CA000006655180          | <b>MGD</b> | SUMMERSHADE ILENE SCOT-ET |         |
|                         |            | CA000005619306            |         |

|                             |            |           |    |            |          |              |           |              |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 30 | Daug.      | 67       | Rel.         | 90 %      | <b>SPI</b>   | -30         |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat          | %         | Prot.        | %           |
| <b>1445</b>                 |            |           |    | <b>145</b> | <b>0</b> | <b>-0,11</b> | <b>-4</b> | <b>-0,18</b> | <b>SCS</b>  |
|                             |            |           |    |            |          |              |           |              | rank        |
|                             |            |           |    |            |          |              |           |              | 433.        |
|                             |            |           |    |            |          |              |           |              | <b>3,07</b> |
|                             |            |           |    |            |          |              |           |              | rank        |
|                             |            |           |    |            |          |              |           |              | 622.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 7 | Daug. | 14 | 77,7 | Rel. | 60 % | <b>TYPE</b> | 0,39 |
|                  |             |       |       |       |    |      |      |      | rank        | 333. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | -0,51 |    |    |   |    |    |
| Body Depth            | -0,58 |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | 0,13  |    |    |   |    |    |
| Foot Angle            | -0,54 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 1,14  |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | 0,20  |    |    |   |    |    |
| Udder Depth           | 0,58  |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | -0,88 |    |    |   |    |    |
| Rear Teat Placement   | 1,06  |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,1 | <b>Frame</b>           | <b>0,38</b>  |
| 77,3 | <b>Dairy Strength</b>  | <b>0,22</b>  |
| 77,6 | <b>Feet &amp; Legs</b> | <b>-0,46</b> |
| 76,7 | <b>Udder</b>           | <b>0,72</b>  |
|      | <b>SHI</b>             | <b>14,8</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ARKTOS</b>    | <b>BE000242336845</b>      | <b>25.07.2000</b> | <b>LU-018</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | BE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 18.08.2000 |
|                   |                                   | DEU          | 00/10719   |

### Pedigree

|                    |            |                              |
|--------------------|------------|------------------------------|
| <b>Sire</b>        | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| DIXIE-LEE AARON-ET |            | US000002071864               |
| US000002265005     | <b>PGD</b> | DIXIE-LEE ASPEN-ET           |
| LU-009             |            | US000014889171               |
| <b>Dam</b>         | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET       |
| BUTTERCUP          |            | US000002103297               |
| NL000177546462     | <b>MGD</b> | RON-NAN CUBBY BARB           |
|                    |            | US000014644009               |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 36 | Daug. | 92 | Rel. | 92 %  | <b>SPI</b> | -54   |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| <b>1853</b>                 |            |           |    | 207   |    | -1   | -0,33 | -1         | -0,17 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 2,93  |
|                             |            |           |    |       |    |      |       | rank       | 441.  |
|                             |            |           |    |       |    |      |       | rank       | 429.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 9 | Daug. | 23 | 78,0 | Rel. | 67 % | <b>TYPE</b> | 0,39 |
|                  |             |       |        |       |    |      |      |      | rank        | 334. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | -0,51 |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,35 |    |    |   |    |    |
| Rump Angle            | -0,40 |    |    |   |    |    |
| Rear Legs Side View   | -0,80 |    |    |   |    |    |
| Foot Angle            | 0,94  |    |    |   |    |    |
| Fore Udder Attachment | 0,39  |    |    |   |    |    |
| Front Teat Placement  | 0,51  |    |    |   |    |    |
| Teat Length           | 0,64  |    |    |   |    |    |
| Rear Udder Height     | -0,44 |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | 0,82  |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | 0,86  |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,44  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,3 | <b>Frame</b>           | 0,14  |
| 76,6 | <b>Dairy Strength</b>  | -1,32 |
| 80,3 | <b>Feet &amp; Legs</b> | 2,54  |
| 76,3 | <b>Udder</b>           | 0,06  |
|      | <b>SHI</b>             | 14,0  |
|      | rank                   | 316.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GRASHOEK BLUE CURACAO</b> | <b>NL000398853576</b> | <b>20.07.2004</b> | <b>END-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 22.11.2005 |
|                   |                                   | NL           | 133477     |

### Pedigree

|                    |            |                    |
|--------------------|------------|--------------------|
| <b>Sire</b>        | <b>PGS</b> | SCIENTIFIC ENDICOT |
| ERASMUS            |            | US000017125134     |
| DE000578615629     | <b>PGD</b> | GLORIA             |
| END-001            |            | DE000576636081     |
| <b>Dam</b>         | <b>MGS</b> | LENTINI-ET         |
| GRASHOEK BOBBIE 20 |            | DE001012337003     |
| NL000325526458     | <b>MGD</b> | GRASHOEK BOBBIE 12 |
|                    |            | NL000240326696     |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>49</b>  | Rel.        | <b>85 %</b> | <b>SPI</b> | <b>-2901</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank       | 1066.        |
| <b>635</b>                  |            |           |           | <b>-722</b> | <b>-18</b> | <b>0,20</b> | <b>-22</b>  | <b>SCS</b> | <b>3,75</b>  |
|                             |            |           |           |             |            |             |             | rank       | 1209.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>12</b> | 77,0 | Rel. | <b>50 %</b> | <b>TYPE</b> | <b>0,39</b> |
|                  |             |       |              |       |           |      |      | rank        | 335.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,94  |    |    |   |    |    |
| Angularity            | 0,57  |    |    |   |    |    |
| Chest Width           | -0,08 |    |    |   |    |    |
| Body Depth            | 0,23  |    |    |   |    |    |
| Rump Angle            | -1,83 |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | -0,49 |    |    |   |    |    |
| Front Teat Placement  | 0,62  |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | -0,97 |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | 0,83  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,57 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,3 | <b>Frame</b>           | <b>0,82</b>  |
| 79,9 | <b>Dairy Strength</b>  | <b>1,29</b>  |
| 76,0 | <b>Feet &amp; Legs</b> | <b>0,27</b>  |
| 73,6 | <b>Udder</b>           | <b>-0,26</b> |
|      | <b>SHI</b>             | <b>-72,0</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KARNVILLA RATIO</b> | <b>CA000005406271</b>      | <b>21.06.1991</b> | <b>ARS-010</b>        |
| Country of origin      | CA                         | <b>Breed</b>      | H100                  |
| Distributor            | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                        |                            | Paternity         | 16.01.1992            |
|                        |                            | CAN               | 265124                |

### Pedigree

|                         |            |                       |
|-------------------------|------------|-----------------------|
| <b>Sire</b>             | <b>PGS</b> | HANOVERHILL STARBUCK  |
| MADAWASKA AEROSTAR      |            | CA000000352790        |
| CA000000383622          | <b>PGD</b> | MADAWASKA SHADY       |
| STB-011                 |            | CA0000003511527       |
| <b>Dam</b>              | <b>MGS</b> | S-W-D VALIANT         |
| KARNVILLA VAL REXINA,ET |            | US000001650414        |
| CA0000004452674         | <b>MGD</b> | KARNVILLA SHEIK,REXAN |
|                         |            | CA0000003311756       |

|                             |            |           |           |             |             |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>96</b> | Daug.       | <b>1860</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-941</b> |
| Number controls             |            | <b>BV</b> |           | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 630.        |
| <b>35780</b>                |            |           |           | <b>-144</b> |             | <b>-8</b>  | <b>-0,05</b> | <b>SCS</b> | <b>3,79</b> |
|                             |            |           |           |             |             | <b>-8</b>  | <b>-0,09</b> | rank       | 1218.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>64 / 19</b> | Daug. | <b>324</b> | 77,2 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,39</b> |
|                  |             |       |                |       |            |      |      | rank        | 336.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,86  |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | -1,00 |    |    |   |    |    |
| Foot Angle            | 1,15  |    |    |   |    |    |
| Fore Udder Attachment | -0,27 |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | -0,28 |    |    |   |    |    |
| Rear Udder Width      | -0,47 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | -0,73 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

80,0 **Frame** **0,85**

75,6 **Dairy Strength** **-0,16**

78,8 **Feet & Legs** **2,76**

75,8 **Udder** **-0,98**

**SHI** **-12,9**

rank 400.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>CAROUSEL AMOS</b> | <b>NL000705638203</b> | <b>15.07.1988</b> | <b>AMS-001</b> |
| Country of origin    | NL                    | <b>Breed</b>      | H100           |
| Distributor          | Holstein, Holandsko   | Herdbook          | HA             |
|                      |                       | Paternity         | 14.10.1988     |
|                      |                       | NLD               | 018802034010   |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | OCEAN-VIEW SEXATION       |
| FREEBROOK SEXATION AMOS |            | US000001672151            |
| US000001889085          | <b>PGD</b> | FREEBROOK ASTRO ANNA      |
|                         |            | US000007729114            |
| <b>Dam</b>              | <b>MGS</b> | WHITTIER-FARMS NED BOY    |
| DELTA ELLA              |            | US000001806201            |
| NL000703658160          | <b>MGD</b> | THONYMA CONDUCTOR,GAZELLA |
|                         |            | US000009738515            |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.       | <b>145</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>-756</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %           |
| <b>3138</b>                 |            |           |           | <b>-221</b> |            | <b>-5</b> | <b>0,05</b> | <b>-5</b>  | <b>0,04</b> |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,81</b> |
|                             |            |           |           |             |            |           |             | rank       | 588.        |
|                             |            |           |           |             |            |           |             | rank       | 297.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 8</b> | Daug. | <b>11</b> | 77,2 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>0,38</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 337.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,72 |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | 0,89  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | 0,18  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | 0,87  |    |    |   |    |    |
| Teat Length           | 0,63  |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | -0,56 |    |    |   |    |    |
| Udder Depth           | 0,39  |    |    |   |    |    |
| Rump Width            | 0,06  |    |    |   |    |    |
| Rear Legs Rear View   | 0,65  |    |    |   |    |    |
| Rear Teat Placement   | 0,35  |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | 0,42  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Frame</b>           | <b>-0,38</b> |
| 77,5 | <b>Dairy Strength</b>  | <b>1,21</b>  |
| 75,6 | <b>Feet &amp; Legs</b> | <b>-0,15</b> |
| 78,1 | <b>Udder</b>           | <b>0,25</b>  |
|      | <b>SHI</b>             | <b>-7,4</b>  |
|      | rank                   | 383.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>SILKY DIEGO</b> | <b>CA000006509027</b> | <b>12.03.1996</b> | <b>MNL-008</b> |
| Country of origin  | CA                    | <b>Breed</b>      | H100           |
| Distributor        | INSEMAS s.r.o.        | Herdbook          | HA             |
|                    |                       | Paternity         | 04.05.1998     |
|                    |                       | CAN               | 376625         |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US000012593031              |
| <b>Dam</b>               | <b>MGS</b> | MADAWASKA AEROSTAR          |
| JEANRI AEROSTAR CONNIE   |            | CA000000383622              |
| CA000005361334           | <b>MGD</b> | COLDSPRINGS MARK FANCY-ET   |
|                          |            | CA000004387189              |

|                             |            |           |           |            |            |          |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>52</b> | Daug.      | <b>533</b> | Rel.     | <b>98 %</b> | <b>SPI</b> | <b>358</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %           | Prot.      | %            |
| <b>10596</b>                |            |           |           | <b>166</b> |            | <b>7</b> | <b>0,00</b> | <b>-1</b>  | <b>-0,14</b> |
|                             |            |           |           |            |            |          |             | <b>SCS</b> | <b>3,19</b>  |
|                             |            |           |           |            |            |          |             | rank       | 355.         |
|                             |            |           |           |            |            |          |             | rank       | 775.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 10</b> | Daug. | <b>83</b> | 78,6 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>0,38</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 338.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | 0,10  |    |    |   |    |    |
| Rump Angle            | -0,79 |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | 0,00  |    |    |   |    |    |
| Fore Udder Attachment | 0,79  |    |    |   |    |    |
| Front Teat Placement  | 0,01  |    |    |   |    |    |
| Teat Length           | 0,58  |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | 0,04  |    |    |   |    |    |
| Central Ligament      | -0,55 |    |    |   |    |    |
| Udder Depth           | 0,06  |    |    |   |    |    |
| Rump Width            | -0,19 |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | 0,44  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,8 | <b>Frame</b> | <b>0,30</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,6 | <b>Dairy Strength</b> | <b>0,29</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,3 | <b>Feet &amp; Legs</b> | <b>1,03</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,4 | <b>Udder</b> | <b>-0,16</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>26,0</b> |
|--|------------|-------------|

rank 260.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KEYSTONE POTTER</b> | <b>US000128367894</b>      | <b>19.08.1999</b> | <b>MED-004</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 12.05.2004 |
|                   |                                   | USA          | 9063A      |

### Pedigree

|                         |                |                           |
|-------------------------|----------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b>     | OSDEL-ENDEAVOR BOVA CUBBY |
| HA-HO CUBBY MANFRED-ET  | US000001986164 | BA-002                    |
| US000002183007          | <b>PGD</b>     | HA-HO TESK MELANIE        |
|                         | US000013066986 |                           |
| <b>Dam</b>              | <b>MGS</b>     | KED JUROR-ET              |
| KEYSTONE JUROR PASTA-ET | US000002124357 | BS-017                    |
| US000017077090          | <b>MGD</b>     | KEYSTONE SOUTHWIND PIZZA  |
|                         | US000014503707 |                           |

|                             |            |           |    |            |      |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug.      | 1075 | Rel.      | 99 %         | <b>SPI</b> | 744          |
| Number controls             |            | <b>BV</b> |    | Milk       |      | Fat       | %            | rank       | 292.         |
| <b>23723</b>                |            |           |    | <b>479</b> |      | <b>-0</b> | <b>-0,34</b> | <b>1</b>   | <b>-0,28</b> |
|                             |            |           |    |            |      |           |              | <b>SCS</b> | <b>2,76</b>  |
|                             |            |           |    |            |      |           |              | rank       | 249.         |

|                  |             |       |          |       |     |      |      |      |             |      |
|------------------|-------------|-------|----------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 136 / 26 | Daug. | 719 | 79,6 | Rel. | 98 % | <b>TYPE</b> | 0,38 |
|                  |             |       |          |       |     |      |      | rank | 339.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,26 |    |    | ■ |    |    |
| Angularity            | -0,17 |    |    | ■ |    |    |
| Chest Width           | 0,17  |    |    | ■ |    |    |
| Body Depth            | 0,10  |    |    | ■ |    |    |
| Rump Angle            | -0,15 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,04  |    |    | ■ |    |    |
| Foot Angle            | -0,23 |    |    | ■ |    |    |
| Fore Udder Attachment | 0,61  |    |    | ■ | ■  |    |
| Front Teat Placement  | 0,84  |    |    | ■ | ■  | ■  |
| Teat Length           | 0,74  |    |    | ■ | ■  | ■  |
| Rear Udder Height     | 0,37  |    |    | ■ | ■  |    |
| Rear Udder Width      | 0,00  |    |    | ■ |    |    |
| Central Ligament      | 0,18  |    |    | ■ |    |    |
| Udder Depth           | 0,93  |    |    | ■ | ■  | ■  |
| Rump Width            | -0,09 |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,62  |    |    | ■ | ■  |    |
| Rear Teat Placement   | 0,02  |    |    | ■ |    |    |
| Locomotion            | -0,39 |    |    | ■ |    |    |
| Body Condition        | 0,01  |    |    | ■ |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 81,9 | <b>Frame</b>           | <b>-0,18</b> |
|                 | 79,5 | <b>Dairy Strength</b>  | <b>-0,09</b> |
|                 | 79,4 | <b>Feet &amp; Legs</b> | <b>-0,81</b> |
|                 | 78,5 | <b>Udder</b>           | <b>1,20</b>  |
|                 |      | <b>SHI</b>             | <b>37,6</b>  |
|                 |      | rank                   | 241.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>EM-JO FILOSOF</b> | <b>CZ000114093761</b> | <b>22.01.2001</b> | <b>LU-023</b>  |
| Country of origin    | CZ                    | <b>Breed</b>      | H100           |
| Distributor          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                      |                       | Paternity         | 08.09.2001     |
|                      |                       | CSK               | 64701          |

### Pedigree

|                    |            |                              |
|--------------------|------------|------------------------------|
| <b>Sire</b>        | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| DIXIE-LEE AARON-ET |            | US000002071864               |
| US000002265005     | <b>PGD</b> | DIXIE-LEE ASPEN-ET           |
| LU-009             |            | US000014889171               |
| <b>Dam</b>         | <b>MGS</b> | WELLS CATALYST-ET            |
|                    |            | US000002193611               |
| CZ000100570708     | <b>MGD</b> |                              |
|                    |            | CZ000011976768               |

|                             |            |           |    |       |    |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 80 | Rel. | 92 % | <b>SPI</b> | -945 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %    |
| 1554                        |            |           |    | -301  |    | -8   | 0,07 | -5         | 0,09 |
|                             |            |           |    |       |    |      |      | <b>SCS</b> | 2,99 |
|                             |            |           |    |       |    |      |      | rank       | 631. |
|                             |            |           |    |       |    |      |      | rank       | 520. |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 13 | 78,7 | Rel. | 58 % | <b>TYPE</b> | 0,38 |
|                  |             |       |       |       |    |      |      |      | rank        | 340. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,45  |    |    |   |    |    |
| Angularity            | -0,36 |    |    |   |    |    |
| Chest Width           | -0,21 |    |    |   |    |    |
| Body Depth            | -0,25 |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | -0,66 |    |    |   |    |    |
| Foot Angle            | 0,85  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | 0,47  |    |    |   |    |    |
| Udder Depth           | 0,73  |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | 0,45  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,1 | <b>Frame</b>           | 0,35  |
| 77,7 | <b>Dairy Strength</b>  | -0,81 |
| 80,0 | <b>Feet &amp; Legs</b> | 1,67  |
| 76,8 | <b>Udder</b>           | 0,26  |
|      | <b>SHI</b>             | -13,4 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CARRON</b>     | <b>FR008501200627</b>             | <b>08.04.2007</b> | <b>LU-031</b>  |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.11.2007     |
|                   |                                   | FR                | F/S 416815     |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | LEXVOLD LUKE HERSHEL-ET  |
| SANDY-VALLEY BOLTON-ET |            | US000002294436           |
| US000131823833         |            | LU-013                   |
|                        | <b>PGD</b> | SANDY-VALLEY BLESSING-ET |
|                        |            | US000128824973           |
| <b>Dam</b>             | <b>MGS</b> | OKENDO                   |
| JELTJ 0420             |            | FR002998012650           |
| FR008501200420         |            |                          |
|                        | <b>MGD</b> | JELTJ 4942               |
|                        |            | FR008562204942           |

|                             |            |           |    |           |           |             |          |              |      |
|-----------------------------|------------|-----------|----|-----------|-----------|-------------|----------|--------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug.     | 277       | Rel.        | 97 %     | <b>SPI</b>   | 886  |
| Number controls             |            | <b>BV</b> |    | Milk      |           | Fat         | %        | Prot.        | %    |
| <b>5616</b>                 |            |           |    | <b>91</b> | <b>21</b> | <b>0,32</b> | <b>3</b> | <b>-0,01</b> |      |
|                             |            |           |    |           |           |             |          | <b>SCS</b>   | 2,66 |
|                             |            |           |    |           |           |             |          | rank         | 155. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 37 / 15 | Daug. | 101 | 79,9 | Rel. | 88 % | <b>TYPE</b> | 0,37 |
|                  |             |       |         |       |     |      |      |      | rank        | 341. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,24  |    |    |   |    |    |
| Angularity            | -0,08 |    |    |   |    |    |
| Chest Width           | -0,57 |    |    |   |    |    |
| Body Depth            | -0,48 |    |    |   |    |    |
| Rump Angle            | 0,49  |    |    |   |    |    |
| Rear Legs Side View   | 0,88  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | 0,36  |    |    |   |    |    |
| Front Teat Placement  | 0,50  |    |    |   |    |    |
| Teat Length           | -0,19 |    |    |   |    |    |
| Rear Udder Height     | 0,56  |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    |    |
| Central Ligament      | -0,21 |    |    |   |    |    |
| Udder Depth           | 0,92  |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | -0,42 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

84,1 **Frame** 1,20

79,4 **Dairy Strength** -1,10

80,3 **Feet & Legs** -0,95

77,8 **Udder** 0,65

**SHI** 41,7

rank 228.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>MEADOW BRIDGE PHANTOM-ET</b> | <b>CA000006130768</b> | <b>25.06.1994</b> | <b>JED-001</b> |
| Country of origin               | CA                    | <b>Breed</b>      | H100           |
| Distributor                     |                       | Herdbook          | HA             |
|                                 |                       | Paternity         |                |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA ROTATE            |
| JUNIPER ROTATE JED-ET       |            | US000001697572            |
| US000002040728              | <b>PGD</b> | HURL-FOUR TRADITION JACKY |
|                             |            | US000011997469            |
| <b>Dam</b>                  | <b>MGS</b> | TO-MAR BLACKSTAR-ET       |
| MEADOW BRIDGE STAR MILLY-ET |            | US000001929410            |
| CA000005393685              | <b>MGD</b> | MEADOW BRIDGE MILLICENT   |
|                             |            | CA000004273422            |
|                             |            | CHR-002                   |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>43</b> | Daug.       | <b>325</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>-566</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 543.        |
| <b>6162</b>                 |            |           |           | <b>-363</b> |            | <b>14</b> | <b>0,55</b> | <b>SCS</b> | <b>2,61</b> |
|                             |            |           |           |             |            | <b>-7</b> | <b>0,10</b> | rank       | 126.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 5</b> | Daug. | <b>58</b> | 77,9 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,37</b> |
|                  |             |       |               |       |           |      |      | rank        | 342.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | 0,67  |    |    |   |    |    |
| Chest Width           | -0,64 |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | -0,94 |    |    |   |    |    |
| Rear Legs Side View   | 0,42  |    |    |   |    |    |
| Foot Angle            | -0,32 |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | 0,72  |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | 0,17  |    |    |   |    |    |
| Central Ligament      | -0,28 |    |    |   |    |    |
| Udder Depth           | 0,72  |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | 1,49  |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,0 | <b>Frame</b> | <b>-0,04</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,1 | <b>Dairy Strength</b> | <b>1,71</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,4 | <b>Feet &amp; Legs</b> | <b>-0,48</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 76,1 | <b>Udder</b> | <b>0,39</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-2,3</b> |
|--|------------|-------------|

rank 374.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LACOSTE</b>    | <b>DE000345655129</b>             | <b>17.09.2000</b> | <b>LU-029</b>  |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.11.2000     |
|                   |                                   | DE                | 00/13393       |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LENTINI-ET     |            | US000002071864               |
| DE001012337003 | <b>PGD</b> | LOOSLEA BLK STAR MONIQUE-ET  |
|                |            | US000014122737               |
| <b>Dam</b>     | <b>MGS</b> | MALOY                        |
| MALORA 91      |            | DE001021231602               |
| DE000342325691 | <b>MGD</b> | MYLADY                       |
|                |            | DE000340406602               |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>26</b> | Daug.       | <b>310</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-1862</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 846.         |
| <b>5503</b>                 |            |           |           | <b>-542</b> |            | <b>-15</b> | <b>0,10</b> | <b>SCS</b> | <b>2,61</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>0,14</b> | rank       | 127.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 11</b> | Daug. | <b>104</b> | 78,4 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>0,37</b> |
|                  |             |       |                |       |            |      |      | rank        | 343.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,90  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | -0,33 |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | 0,76  |    |    |   |    |    |
| Foot Angle            | 0,65  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | -0,69 |    |    |   |    |    |
| Central Ligament      | 0,47  |    |    |   |    |    |
| Udder Depth           | 1,03  |    |    |   |    |    |
| Rump Width            | -0,18 |    |    |   |    |    |
| Rear Legs Rear View   | -0,65 |    |    |   |    |    |
| Rear Teat Placement   | 0,71  |    |    |   |    |    |
| Locomotion            | -0,64 |    |    |   |    |    |
| Body Condition        | -0,68 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,8 | <b>Frame</b>           | <b>0,82</b>  |
| 79,3 | <b>Dairy Strength</b>  | <b>-0,10</b> |
| 77,7 | <b>Feet &amp; Legs</b> | <b>-0,77</b> |
| 75,9 | <b>Udder</b>           | <b>0,41</b>  |
|      | <b>SHI</b>             | <b>-41,4</b> |
|      | rank                   | 488.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>COGENT DESTINY-ET</b> | <b>GB000000631056</b>             | <b>05.11.2005</b> | <b>PEL-055</b>        |
| Country of origin        | GB                                | <b>Breed</b>      | H100                  |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | Paternity         | 17.02.2006            |
|                          |                                   | NL                | 138394                |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | CAROL PRELUDE MTOTO-ET      |
| PICSTON SHOTTLE-ET       |            | IT006001001962              |
| GB000000598172           | <b>PGD</b> | CONDON AERO SHARON          |
| PEL-033                  |            | CA000005373153              |
| <b>Dam</b>               | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| COGENT MARSHALL DIANA-ET |            | US000002290977              |
| GB000010300261           | <b>MGD</b> | RICECREST DECISION DIANA-ET |
|                          |            | US000129863852              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>658</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>3262</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 30.         |
| <b>6810</b>                 |            |           |           | <b>918</b> |            | <b>28</b> | <b>-0,13</b> | <b>SCS</b> | <b>2,82</b> |
|                             |            |           |           |            |            |           |              | rank       | 310.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 12</b> | Daug. | <b>256</b> | 81,2 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,37</b> |
|                  |             |       |                |       |            |      |      | rank        | 344.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,09 |    |    |   |    |    |
| Angularity            | 0,74  |    |    |   |    |    |
| Chest Width           | -0,89 |    |    |   |    |    |
| Body Depth            | -0,75 |    |    |   |    |    |
| Rump Angle            | 1,09  |    |    |   |    |    |
| Rear Legs Side View   | 0,42  |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | 0,65  |    |    |   |    |    |
| Front Teat Placement  | 0,53  |    |    |   |    |    |
| Teat Length           | -1,15 |    |    |   |    |    |
| Rear Udder Height     | 0,89  |    |    |   |    |    |
| Rear Udder Width      | 0,08  |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | 0,48  |    |    |   |    |    |
| Rump Width            | -0,90 |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | 0,50  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,58 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,7 | <b>Frame</b>           | <b>-0,84</b> |
| 81,0 | <b>Dairy Strength</b>  | <b>-0,36</b> |
| 81,3 | <b>Feet &amp; Legs</b> | <b>-0,17</b> |
| 80,0 | <b>Udder</b>           | <b>1,62</b>  |
|      | <b>SHI</b>             | <b>113,0</b> |
|      | rank                   | 67.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>STARTMORE RUDOLPH-ET</b> | <b>CA000005470579</b> | <b>17.07.1991</b> | <b>ARS-015</b> |
| Country of origin           | CA                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 12.12.1991     |
|                             |                       | CAN               | 263482         |

### Pedigree

|                       |            |                      |
|-----------------------|------------|----------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR    |            | CA000000352790       |
| CA000000383622        | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011               |            | CA0000003511527      |
| <b>Dam</b>            | <b>MGS</b> | BUTLERVIEW MATTADOR  |
| STARTMORE RACHELLE-ET |            | CA000000347993       |
| CA0000004324253       | <b>MGD</b> | STARTMORE CHANEL- ET |
|                       |            | CA0000003602443      |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 76 | Daug. | 390 | Rel.  | 98 % | <b>SPI</b> | 781  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 284. |
| <b>8439</b>                 |            |           |    | 298   | 7   | -0,10 | 3    | <b>SCS</b> | 2,81 |
|                             |            |           |    |       |     |       |      | rank       | 294. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 42 / 20 | Daug. | 123 | 77,7 | Rel. | 94 % | <b>TYPE</b> | 0,36 |
|                  |             |       |         |       |     |      |      | rank | 345.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,10  |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -0,54 |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | -0,45 |    |    |   |    |    |
| Rear Udder Height     | 0,64  |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -0,82 |    |    |   |    |    |
| Udder Depth           | 1,19  |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,82</b>  |
| 76,6 | <b>Dairy Strength</b>  | <b>0,92</b>  |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,89</b> |
| 76,7 | <b>Udder</b>           | <b>0,16</b>  |
|      | <b>SHI</b>             | <b>38,1</b>  |
|      | rank                   | 238.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>FALINDO-ET</b> | <b>DE000346499400</b>      | <b>09.06.2003</b> | <b>FBE-011</b>        |
| Country of origin | DE                         | <b>Breed</b>      | R100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 29.09.2003            |
|                   |                            | DE                | 03/42041              |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET |
| FABER RED-ET   |            | US000002129913   |
| DE000340174036 | <b>PGD</b> | LORELEY 12       |
|                |            | DE001021135253   |
| <b>Dam</b>     | <b>MGS</b> | BOLIANT          |
| BELINDA 10     |            | DE001021138096   |
| DE001021214397 | <b>MGD</b> | BELLA            |
|                |            | DE001020968533   |

|                             |            |           |    |             |          |             |            |             |            |
|-----------------------------|------------|-----------|----|-------------|----------|-------------|------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 53 | Daug.       | 882      | Rel.        | 99 %       | <b>SPI</b>  | -1240      |
| Number controls             |            | <b>BV</b> |    | Milk        |          | Fat         | %          | rank        | 700.       |
| <b>16575</b>                |            |           |    | <b>-452</b> | <b>3</b> | <b>0,39</b> | <b>-11</b> | <b>0,08</b> | <b>SCS</b> |
|                             |            |           |    |             |          |             |            | rank        | 998.       |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 18 / 4 | Daug. | 129 | 80,6 | Rel. | 89 % | <b>TYPE</b> | 0,36 |
|                  |             |       |        |       |     |      |      | rank | 346.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,20  |    |    |   |    |    |
| Angularity            | 1,20  |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -0,45 |    |    |   |    |    |
| Rump Angle            | -0,48 |    |    |   |    |    |
| Rear Legs Side View   | -0,81 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 1,00  |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | -1,30 |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | -0,94 |    |    |   |    |    |
| Central Ligament      | 0,00  |    |    |   |    |    |
| Udder Depth           | 1,29  |    |    |   |    |    |
| Rump Width            | -0,40 |    |    |   |    |    |
| Rear Legs Rear View   | 0,11  |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 84,5 | <b>Frame</b>           | -0,10 |
| 82,3 | <b>Dairy Strength</b>  | 1,35  |
| 83,1 | <b>Feet &amp; Legs</b> | 0,59  |
| 76,6 | <b>Udder</b>           | -0,36 |
|      | <b>SHI</b>             | -23,2 |
|      | rank                   | 437.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>LORDAS</b>     | <b>DE000348825855</b> | <b>05.03.2005</b> | <b>LUS-008</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 26.05.2005     |
|                   |                       | DE                | 05/37602       |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | LUKAS             |
| LAUDAN-ET      |            | DE001012104370    |
| DE000578448776 | <b>PGD</b> | BRISANZ 1         |
|                |            | DE000576302497    |
| <b>Dam</b>     | <b>MGS</b> | MAUGHLIN STORM-ET |
| SANJA 275      |            | CA000005457798    |
| DE000343700275 | <b>MGD</b> | SULINE            |
|                |            | DE001021112706    |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>371</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>1652</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 141.        |
| <b>6868</b>                 |            |           |           | <b>407</b> |            | <b>7</b>  | <b>-0,17</b> | <b>SCS</b> | <b>3,38</b> |
|                             |            |           |           |            |            | <b>14</b> | <b>0,02</b>  | rank       | 1008.       |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 12</b> | Daug. | <b>99</b> | 79,6 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |                |       |           |      |      | rank        | 347.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,66 |    |    |   |    |    |
| Angularity            | 0,83  |    |    |   |    |    |
| Chest Width           | -0,82 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -1,17 |    |    |   |    |    |
| Rear Legs Side View   | -0,23 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   |    |    |
| Teat Length           | -0,82 |    |    |   |    |    |
| Rear Udder Height     | 0,75  |    |    |   |    |    |
| Rear Udder Width      | 0,27  |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 0,34  |    |    |   |    |    |
| Rump Width            | -0,61 |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | -0,60 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,47 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,6 | <b>Frame</b>           | <b>-1,48</b> |
| 80,4 | <b>Dairy Strength</b>  | <b>0,19</b>  |
| 81,0 | <b>Feet &amp; Legs</b> | <b>0,50</b>  |
| 77,4 | <b>Udder</b>           | <b>1,43</b>  |
|      | <b>SHI</b>             | <b>64,0</b>  |
|      | rank                   | 164.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>EM-JO GRATIS</b> | <b>CZ000114487761</b> | <b>04.09.2002</b> | <b>EMY-003</b> |
| Country of origin   | CZ                    | <b>Breed</b>      | H100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 10.01.2003     |
|                     |                       | CSK               | 4103           |

### Pedigree

|                           |            |                              |
|---------------------------|------------|------------------------------|
| <b>Sire</b>               | <b>PGS</b> | MJR BLACKSTAR EMORY-ET       |
| SANDY-VALLEY FORBIDDEN-ET |            | US000002114601               |
| US000017011697            | <b>PGD</b> | SANDY- VALLEY MASCOT FRAN-ET |
|                           |            | US000014741448               |
| <b>Dam</b>                | <b>MGS</b> | IGALE MASC                   |
|                           |            | FR004493050102               |
| CZ000100603708            | <b>MGD</b> | CZ000011981768               |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.      | <b>109</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>274</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>2385</b>                 |            |           |           | <b>228</b> |            | <b>-7</b> | <b>-0,29</b> | <b>2</b>   | <b>-0,11</b> |
|                             |            |           |           |            |            |           |              | rank       | 373.         |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,20</b>  |
|                             |            |           |           |            |            |           |              | rank       | 788.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 6</b> | Daug. | <b>37</b> | 77,9 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 348.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,63 |    |    |   |    |    |
| Angularity            | 0,65  |    |    |   |    |    |
| Chest Width           | -0,80 |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    |    |
| Rump Angle            | -0,61 |    |    |   |    |    |
| Rear Legs Side View   | 0,46  |    |    |   |    |    |
| Foot Angle            | -0,06 |    |    |   |    |    |
| Fore Udder Attachment | -0,34 |    |    |   |    |    |
| Front Teat Placement  | -0,27 |    |    |   |    |    |
| Teat Length           | -0,91 |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,59  |    |    |   |    |    |
| Central Ligament      | 0,77  |    |    |   |    |    |
| Udder Depth           | -0,70 |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | 0,23  |    |    |   |    |    |
| Rear Teat Placement   | 0,39  |    |    |   |    |    |
| Locomotion            | 0,23  |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 79,8 | <b>Frame</b> | <b>-1,21</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,6 | <b>Dairy Strength</b> | <b>0,74</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,1 | <b>Feet &amp; Legs</b> | <b>0,32</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,2 | <b>Udder</b> | <b>0,85</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>22,4</b> |
|--|------------|-------------|

rank 284.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>RAMZ</b>       | <b>FR002216121404</b>             | <b>20.01.2000</b> | <b>MNA-011</b>        |
| Country of origin | FR                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 12.10.2005            |
|                   |                                   | FRA               | A0080548.1            |

### Pedigree

|                   |            |                           |
|-------------------|------------|---------------------------|
| <b>Sire</b>       | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| ETAZON ADDISON-ET |            | US000002070579            |
| NL000839380546    | <b>PGD</b> | TIDY-BROOK ELTON STEPH-ET |
|                   |            | US000014080279            |
| <b>Dam</b>        | <b>MGS</b> | WELLS MASCOT CORKY-ET     |
| ODILE             |            | US000002203438            |
| FR002298001536    | <b>MGD</b> | MARINETTE                 |
|                   |            | FR002296001583            |

|                             |            |           |    |            |           |              |           |            |             |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug.      | 736       | Rel.         | 99 %      | <b>SPI</b> | 2528        |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat          | %         | rank       | 59.         |
| <b>13580</b>                |            |           |    | <b>659</b> | <b>18</b> | <b>-0,13</b> | <b>17</b> | <b>SCS</b> | <b>3,22</b> |
|                             |            |           |    |            |           |              |           | rank       | 812.        |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 67 / 16 | Daug. | 344 | 79,1 | Rel. | 96 % | <b>TYPE</b> | 0,35 |
|                  |             |       |         |       |     |      |      | rank | 349.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    | ■ |    |    |
| Angularity            | -0,51 |    |    | ■ |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | -0,31 |    |    | ■ |    |    |
| Rump Angle            | 0,44  |    |    |   | ■  |    |
| Rear Legs Side View   | -0,60 |    |    | ■ |    |    |
| Foot Angle            | 0,27  |    |    |   | ■  |    |
| Fore Udder Attachment | 0,64  |    |    |   | ■  |    |
| Front Teat Placement  | 1,34  |    |    |   | ■  |    |
| Teat Length           | 0,33  |    |    |   | ■  |    |
| Rear Udder Height     | 0,46  |    |    |   | ■  |    |
| Rear Udder Width      | 0,60  |    |    |   | ■  |    |
| Central Ligament      | -0,77 |    |    | ■ |    |    |
| Udder Depth           | 0,46  |    |    |   | ■  |    |
| Rump Width            | 0,51  |    |    |   | ■  |    |
| Rear Legs Rear View   | -0,24 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | 0,60  |    |    |   | ■  |    |
| Body Condition        | 0,12  |    |    |   | ■  |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,7 | <b>Frame</b>           | <b>-0,15</b> |
| 78,3 | <b>Dairy Strength</b>  | <b>-1,46</b> |
| 79,5 | <b>Feet &amp; Legs</b> | <b>1,29</b>  |
| 78,0 | <b>Udder</b>           | <b>1,08</b>  |
|      | <b>SHI</b>             | <b>90,4</b>  |
|      | rank                   | 102.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GI-HILLCREST SW ELITE</b> | <b>US000002170753</b> | <b>04.01.1991</b> | <b>BEL-015</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 05.02.1992 |
|                   |                                   | USA          | IG165414D  |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | CARLIN-M IVANHOE BELL         |
| SOUTHWIND BELL OF BAR-LEE  |            | US000001667366                |
| US000001964484             | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET    |
| BEL-001                    |            | US000011489023                |
| <b>Dam</b>                 | <b>MGS</b> | WALKWAY CHIEF MARK            |
| GL-HILLCREST MARK 1F RHNEA |            | US000001773417                |
| US000013055672             | <b>MGD</b> | GI-HILLCREST TONY RHNEA 1F-ET |
|                            |            | US000012063723                |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>231</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-1577</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 785.         |
| <b>4759</b>                 |            |           |           | <b>-445</b> |            | <b>-7</b>  | <b>0,20</b> | <b>SCS</b> | <b>3,13</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>0,04</b> | rank       | 708.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 4</b> | Daug. | <b>16</b> | 75,8 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |              |       |           |      |      | rank        | 350.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | 0,37  |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,05 |    |    |   |    |    |
| Rump Angle            | -0,04 |    |    |   |    |    |
| Rear Legs Side View   | -0,43 |    |    |   |    |    |
| Foot Angle            | -0,32 |    |    |   |    |    |
| Fore Udder Attachment | -0,60 |    |    |   |    |    |
| Front Teat Placement  | 0,10  |    |    |   |    |    |
| Teat Length           | -0,01 |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | 0,83  |    |    |   |    |    |
| Udder Depth           | -0,28 |    |    |   |    |    |
| Rump Width            | 0,93  |    |    |   |    |    |
| Rear Legs Rear View   | -0,43 |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 77,9 | <b>Frame</b> | <b>0,59</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 73,7 | <b>Dairy Strength</b> | <b>0,59</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,6 | <b>Feet &amp; Legs</b> | <b>-0,44</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 75,6 | <b>Udder</b> | <b>0,12</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-33,4</b> |
|--|------------|--------------|

rank 462.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

# SLOVAK HOLSTEIN ASSOCIATION

## HERDBOOK - BULL CARD



Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>CONANT-ACRES MARK DAVID-ET</b> | <b>US000002017277</b> | <b>17.06.1986</b> | <b>WLK-011</b> |
| Country of origin                 | US                    | <b>Breed</b>      | H100           |
| Distributor                       |                       | Herdbook          | HA             |
|                                   |                       | Paternity         | 06.03.1987     |
|                                   |                       | USA               | IG 92936A      |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF |
| WALKWAY CHIEF MARK     |            | US000001427381            |
| US000001773417         | <b>PGD</b> | WALKWAY MATT MAMIE        |
|                        |            | US000008309147            |
| <b>Dam</b>             | <b>MGS</b> | S-W-D VALIANT             |
| SATELLITE VALIANT DORA |            | US000001650414            |
| US000010576905         | <b>MGD</b> | T-HAD ELEVATION DOTTIE    |
|                        |            | US000009603459            |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>67</b> | Daug.       | <b>696</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1749</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %            |
| <b>14924</b>                |            |           |           | <b>-501</b> |            | <b>-2</b> | <b>0,34</b> | <b>-15</b> | <b>-0,00</b> |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,64</b>  |
|                             |            |           |           |             |            |           |             | rank       | 147.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 8</b> | Daug. | <b>50</b> | 75,7 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 351.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,51  |    |    |   |    |    |
| Body Depth            | 0,75  |    |    |   |    |    |
| Rump Angle            | -0,00 |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | -0,36 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,32 |    |    |   |    |    |
| Udder Depth           | 0,55  |    |    |   |    |    |
| Rump Width            | 1,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,1 | <b>Frame</b>           | <b>1,25</b>  |
| 72,4 | <b>Dairy Strength</b>  | <b>0,48</b>  |
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,48</b>  |
| 76,2 | <b>Udder</b>           | <b>-0,69</b> |
|      | <b>SHI</b>             | <b>-38,7</b> |
|      | rank                   | 477.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>MELINDO</b>   | <b>NL000295615107</b> | <b>01.11.2002</b> | <b>MGN-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.01.2003 |
|                   |                                   | NLD          | 91106      |

### Pedigree

|                           |            |                        |
|---------------------------|------------|------------------------|
| <b>Sire</b>               | <b>PGS</b> | ELLBANK AIRLINER-ET    |
| SIKKEMA-STAR AIR MAGNA-ET |            | US000002122404         |
| US000017044645            | <b>PGD</b> | BELLA-J THOR MAGGIE-ET |
|                           |            | US000014973956         |
| <b>Dam</b>                | <b>MGS</b> | FRANKENHOF LUCKY LEO   |
| BELINDA                   |            | NL000777133097         |
| NL000241817470            | <b>MGD</b> | BELINDA                |
|                           |            | NL000164214671         |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>82</b> | Rel.       | <b>92 %</b>  | <b>SPI</b> | <b>-1907</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 857.         |
| <b>1800</b>                 |            |           |           | <b>-405</b> |           | <b>-20</b> | <b>-0,10</b> | <b>SCS</b> | <b>2,69</b>  |
|                             |            |           |           |             |           | <b>-13</b> | <b>-0,00</b> | rank       | 176.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>21</b> | 79,1 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |              |       |           |      |      | rank        | 352.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,80  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,30 |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,13  |    |    |   |    |    |
| Front Teat Placement  | -0,06 |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | -0,14 |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | 0,26  |    |    |   |    |    |
| Rump Width            | -0,71 |    |    |   |    |    |
| Rear Legs Rear View   | -0,12 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,2 | <b>Frame</b> | <b>0,65</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,6 | <b>Dairy Strength</b> | <b>0,10</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,6 | <b>Feet &amp; Legs</b> | <b>-0,02</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 78,3 | <b>Udder</b> | <b>0,09</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-43,5</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>STANBRO MONEY-ET</b> | <b>CA000010751490</b> | <b>09.08.2000</b> | <b>ELN-015</b> |
| Country of origin       | CA                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 28.03.2001     |
|                         |                       | CA                | DC43040        |

### Pedigree

|                     |            |                              |
|---------------------|------------|------------------------------|
| <b>Sire</b>         | <b>PGS</b> | EMPRISE BELL ELTON           |
| WA-DEL CONVINCER-ET |            | US000001912270               |
| US000002249055      | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET      |
| ELN-002             |            | US000013372706               |
| <b>Dam</b>          | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| STANBRO MONALISA-ET |            | US000002071864               |
| CA000006419278      | <b>MGD</b> | GUERINK SOUTHWIND MARGIE-ET  |
|                     |            | US000014545064               |

|                             |            |           |    |       |           |             |           |              |             |
|-----------------------------|------------|-----------|----|-------|-----------|-------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug. | 299       | Rel.        | 97 %      | <b>SPI</b>   | -550        |
| Number controls             |            | <b>BV</b> |    | Milk  |           | Fat         | %         | Prot.        | %           |
| <b>5410</b>                 |            |           |    | -220  | <b>11</b> | <b>0,37</b> | <b>-8</b> | <b>-0,04</b> |             |
|                             |            |           |    |       |           |             |           | <b>SCS</b>   | <b>3,26</b> |
|                             |            |           |    |       |           |             |           | rank         | 541.        |
|                             |            |           |    |       |           |             |           | rank         | 862.        |

|                  |             |       |        |       |    |      |      |      |             |             |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 7 | Daug. | 61 | 78,9 | Rel. | 82 % | <b>TYPE</b> | <b>0,35</b> |
|                  |             |       |        |       |    |      |      |      | rank        | 353.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,40  |    |    |   |    |    |
| Angularity            | 0,94  |    |    |   |    |    |
| Chest Width           | -0,78 |    |    |   |    |    |
| Body Depth            | -0,91 |    |    |   |    |    |
| Rump Angle            | 0,03  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,53 |    |    |   |    |    |
| Fore Udder Attachment | 0,52  |    |    |   |    |    |
| Front Teat Placement  | 0,84  |    |    |   |    |    |
| Teat Length           | -1,13 |    |    |   |    |    |
| Rear Udder Height     | 0,68  |    |    |   |    |    |
| Rear Udder Width      | -0,00 |    |    |   |    |    |
| Central Ligament      | 0,85  |    |    |   |    |    |
| Udder Depth           | 1,13  |    |    |   |    |    |
| Rump Width            | -0,52 |    |    |   |    |    |
| Rear Legs Rear View   | 0,06  |    |    |   |    |    |
| Rear Teat Placement   | 1,22  |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | -0,87 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,7 | <b>Frame</b>           | <b>-0,27</b> |
| 80,7 | <b>Dairy Strength</b>  | <b>0,56</b>  |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,36</b> |
| 77,0 | <b>Udder</b>           | <b>1,02</b>  |
|      | <b>SHI</b>             | <b>-2,6</b>  |
|      | rank                   | 375.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>SECAM</b>             | <b>FR007627604539</b>                    | <b>04.12.2001</b> | <b>JAT-003</b>        |
| <b>Country of origin</b> | <b>FR</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>23.01.2003</b>     |
|                          |  | <b>FRA</b>        | <b>118456</b>         |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA CLEITUS JABOT       |
| LORAK          |            | NL000316419721            |
| FR001095001791 | <b>PGD</b> | INGENUÉ                   |
|                |            | FR001093000309            |
| <b>Dam</b>     | <b>MGS</b> | BEACHLAWN GELPRO TOBEY-ET |
| ODYSSEE        |            | US000002182343            |
| FR007698047609 | <b>MGD</b> | SUPER NANA                |
|                |            | FR007697003294            |

|                             |                   |              |            |              |              |              |             |            |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>41</b>  | <b>Daug.</b> | <b>122</b>   | <b>Rel.</b>  | <b>94 %</b> | <b>SPI</b> | <b>1246</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     |             | rank       | 200.        |
| <b>2605</b>                 |                   | <b>285</b>   | <b>10</b>  | <b>-0,02</b> | <b>9</b>     | <b>-0,00</b> |             | <b>SCS</b> | <b>2,59</b> |
|                             |                   |              |            |              |              |              |             | rank       | 116.        |

|                  |                    |              |               |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>13 / 9</b> | <b>Daug.</b> | <b>33</b> | <b>78,4</b> | <b>Rel.</b> | <b>71 %</b> | <b>TYPE</b> | <b>0,35</b> |
|                  |                    |              |               |              |           |             |             |             | rank        | 354.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,04 |    |    |   |    |    |
| Angularity            | 0,58  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | 0,08  |    |    |   |    |    |
| Rump Angle            | 0,71  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | 0,88  |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | 0,96  |    |    |   |    |    |
| Rear Udder Width      | 0,66  |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | 1,04  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,9 | <b>Frame</b> | <b>-0,13</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,0 | <b>Dairy Strength</b> | <b>1,03</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,56</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,74</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>51,6</b> |
|--|------------|-------------|

rank 198.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>RICECREST MONDAY-ET</b> | <b>US000002301353</b> | <b>23.01.1996</b> | <b>SIR-001</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 24.07.2000 |
|                   |                | CAN          | 227743     |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | KINGSTEAD VALIANT TAB       |
| COMBINATION SUPERSIRE   |            | CA000000369275              |
| CA000000400935          | <b>PGD</b> | LOVAL SHEIK JEN             |
| VAL-018                 |            | CA000003817647              |
| <b>Dam</b>              | <b>MGS</b> | ROTHROCK TRADITION LEADMAN  |
| RICECREST LEADMAN MANDY |            | US000001983348 TDN-004      |
| US000014689202          | <b>MGD</b> | WA-DEL RC BLCKSTR MARTHA-ET |
|                         |            | US000013907649              |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug. | 306 | Rel. | 98 % | <b>SPI</b> | 915         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>6547</b>                 |            |           |    | 173   | 13  | 0,10 | 5    | -0,01      | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 260.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 982.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 8 | Daug. | 64 | 78,0 | Rel. | 82 % | <b>TYPE</b> | 0,34 |
|                  |             |       |        |       |    |      |      |      | rank        | 355. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,78 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | 0,13  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,44  |    |    |   |    |    |
| Front Teat Placement  | -0,03 |    |    |   |    |    |
| Teat Length           | -0,72 |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | 0,85  |    |    |   |    |    |
| Central Ligament      | -0,25 |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | 0,53  |    |    |   |    |    |
| Rear Legs Rear View   | 0,56  |    |    |   |    |    |
| Rear Teat Placement   | 0,63  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,11  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,4 | <b>Frame</b>           | -0,94 |
| 78,1 | <b>Dairy Strength</b>  | -0,17 |
| 78,5 | <b>Feet &amp; Legs</b> | 0,53  |
| 77,0 | <b>Udder</b>           | 1,14  |
|      | <b>SHI</b>             | 41,4  |
|      | rank                   | 230.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                      |                   |                |
|--------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number  | Birth date        | State Register |
| <b>KILDARE MENHAT-ET</b> | <b>CA00010810346</b> | <b>06.11.2001</b> | <b>MTA-003</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 21.07.2006 |
|                   |                | US           | NC7149     |

### Pedigree

|                    |            |                          |
|--------------------|------------|--------------------------|
| <b>Sire</b>        | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| MANAT-ET           |            | US000002119526           |
| DE002261530135     | <b>PGD</b> | IMPERIAL SPLENDORS STYLE |
| MNL-004            |            | US000013633539           |
| <b>Dam</b>         | <b>MGS</b> | COMESTAR LEE-ET          |
| KILDARE PICOLEE-ET |            | CA000005757117           |
| CA000010501032     | <b>MGD</b> | KILDARE MASON PICOLIN-ET |
|                    |            | CA000006781434           |

|                             |            |           |    |            |           |             |           |             |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|-----------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug.      | 207       | Rel.        | 97 %      | <b>SPI</b>  | 1766        |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat         | %         | Prot.       | %           |
| <b>3824</b>                 |            |           |    | <b>258</b> | <b>22</b> | <b>0,21</b> | <b>13</b> | <b>0,09</b> |             |
|                             |            |           |    |            |           |             |           | <b>SCS</b>  | <b>3,68</b> |
|                             |            |           |    |            |           |             |           | rank        | 127.        |
|                             |            |           |    |            |           |             |           | rank        | 1190.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 5 | Daug. | 72 | 78,4 | Rel. | 85 % | <b>TYPE</b> | 0,34 |
|                  |             |       |        |       |    |      |      |      | rank        | 356. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,60  |    |    |   |    |    |
| Chest Width           | -0,40 |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | 1,12  |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | -0,61 |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,40  |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | -0,35 |    |    |   |    |    |
| Rear Legs Rear View   | -0,45 |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

80,8 **Frame** -0,07

80,2 **Dairy Strength** 1,08

76,8 **Feet & Legs** -0,58

77,1 **Udder** 0,57

**SHI** 67,0

rank 155.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                            |                   |                       |
|-----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>FOLLETO</b>                    | <b>DK00000246585</b>       | <b>09.09.2002</b> | <b>JUX-005</b>        |
| <b>Country of origin</b>          | <b>Breed</b>               | <b>H100</b>       |                       |
| DK                                | H100                       |                   |                       |
| <b>Distributor</b>                | <b>Herdbook</b>            | <b>HA</b>         |                       |
| SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | HA                         |                   |                       |
|                                   | <b>Paternity</b>           | <b>08.04.2003</b> |                       |
|                                   | DNK                        | 239155            |                       |

### Pedigree

|                 |            |                      |
|-----------------|------------|----------------------|
| <b>Sire</b>     | <b>PGS</b> | KED JUROR-ET         |
| ALZI JUROR FORD |            | US000002124357       |
| IT003604039709  | <b>PGD</b> | ALZI SOUTHWIND CARLA |
|                 |            | IT003604011441       |
| <b>Dam</b>      | <b>MGS</b> | ETAZON ADDISON-ET    |
|                 |            | NL000839380546       |
| DK004199600977  | <b>MGD</b> | DK004199600830       |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug. | 77  | Rel. | 91 %  | <b>SPI</b> | 1286       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1474                        |            |           |    | 308   | 20  | 0,13 | 5     | -0,10      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 48.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 7 | Daug. | 21 | 77,9 | Rel. | 63 % | <b>TYPE</b> | 0,34 |
|                  |             |       |       |       |    |      |      |      | rank        | 357. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | 0,04  |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | 1,32  |    |    |   |    |    |
| Rear Legs Side View   | 0,37  |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | 0,21  |    |    |   |    |    |
| Front Teat Placement  | 1,01  |    |    |   |    |    |
| Teat Length           | -0,68 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | -0,32 |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | -0,66 |    |    |   |    |    |
| Rear Teat Placement   | 0,88  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,51 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 80,2 | <b>Frame</b> | 0,11 |
|------|--------------|------|

|      |                       |       |
|------|-----------------------|-------|
| 77,4 | <b>Dairy Strength</b> | -0,18 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 77,8 | <b>Feet &amp; Legs</b> | 0,19 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,0 | <b>Udder</b> | 0,52 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 52,5 |
|--|------------|------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>JERUDO-ET</b>  | <b>DE000113878473</b> | <b>26.03.2003</b> | <b>JRM-005</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 30.05.2003     |
|                   |                       | DE                | 03/37864       |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | CLARA S ORKAN RED    |
| JEROM          |            | NL000283076619       |
| NL000163374068 | <b>PGD</b> | MADEMEKE             |
|                |            | NL000819471596       |
| <b>Dam</b>     | <b>MGS</b> | STARTMORE RUDOLPH-ET |
| ZUCHTTA 106    |            | CA000005470579       |
| DE000111900553 | <b>MGD</b> | NORDWIND 22          |
|                |            | DE000107482151       |

ARS-015

|                             |            |           |    |             |           |             |          |             |            |
|-----------------------------|------------|-----------|----|-------------|-----------|-------------|----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.       | 274       | Rel.        | 97 %     | <b>SPI</b>  | 461        |
| Number controls             |            | <b>BV</b> |    | Milk        | Fat       | %           | Prot.    | %           | rank       |
| <b>5216</b>                 |            |           |    | <b>-150</b> | <b>10</b> | <b>0,30</b> | <b>6</b> | <b>0,24</b> | <b>SCS</b> |
|                             |            |           |    |             |           |             |          |             | rank       |
|                             |            |           |    |             |           |             |          |             | 335.       |
|                             |            |           |    |             |           |             |          |             | 2,47       |
|                             |            |           |    |             |           |             |          |             | rank       |
|                             |            |           |    |             |           |             |          |             | 65.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 5 | Daug. | 92 | 79,9 | Rel. | 86 % | <b>TYPE</b> | 0,34 |
|                  |             |       |        |       |    |      |      |      | rank        | 358. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | 0,43  |    |    |   |    |    |
| Chest Width           | -0,07 |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | 0,00  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | -1,17 |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | -0,03 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | 0,77  |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | 0,19  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,6 | <b>Frame</b>           | <b>0,72</b>  |
| 81,6 | <b>Dairy Strength</b>  | <b>0,94</b>  |
| 81,6 | <b>Feet &amp; Legs</b> | <b>0,19</b>  |
| 75,8 | <b>Udder</b>           | <b>-0,54</b> |
|      | <b>SHI</b>             | <b>27,5</b>  |
|      | rank                   | 255.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                      |                       |
|--------------------------|-----------------------------------|----------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b>    | <b>State Register</b> |
| <b>CHEOPS</b>            | <b>FR001736999000</b>             | <b>30.01.2007</b>    | <b>BW-033</b>         |
| <b>Country of origin</b> | <b>Distributor</b>                | <b>Breed</b>         | <b>H100</b>           |
| FR                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | H100                 | HA                    |
|                          |                                   | <b>Herdbook</b>      |                       |
|                          |                                   | Paternity 27.09.2007 |                       |
|                          |                                   | FR                   | F/S 409663            |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| JENNY-LOU MRSHL TOYSTORY-ET |            | US000002290977              |
| US000060372887              | <b>PGD</b> | JENNY-LOU PATRON TOYANE     |
| BW-053                      |            | US000017313307              |
| <b>Dam</b>                  | <b>MGS</b> | NEGUNDO                     |
| UGANDA                      |            | FR002997001110              |
| FR001723968089              | <b>MGD</b> | 7848 SIREN                  |
|                             |            | FR001723967848              |

|                             |            |           |           |             |            |            |             |             |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>218</b> | Rel.       | <b>96 %</b> | <b>SPI</b>  | <b>661</b>  |
| Number controls             |            | <b>BV</b> |           | <b>Milk</b> |            | <b>Fat</b> |             | <b>%</b>    | rank        |
| <b>3963</b>                 |            |           |           | <b>32</b>   |            | <b>17</b>  |             | <b>0,27</b> | <b>307.</b> |
|                             |            |           |           |             |            | <b>3</b>   |             | <b>0,03</b> | <b>SCS</b>  |
|                             |            |           |           |             |            |            |             |             | rank        |
|                             |            |           |           |             |            |            |             |             | <b>2,89</b> |
|                             |            |           |           |             |            |            |             |             | rank        |
|                             |            |           |           |             |            |            |             |             | <b>385.</b> |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>35 / 17</b> | Daug. | <b>71</b> | 80,1 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>0,34</b> |
|                  |             |       |                |       |           |      |      |             | rank        | <b>359.</b> |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,04  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | -0,53 |    |    |   |    |    |
| Rump Angle            | 1,22  |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | 0,41  |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | -0,26 |    |    |   |    |    |
| Rear Udder Height     | 0,19  |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | 1,12  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,49  |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | -0,40 |    |    |   |    |    |
| Body Condition        | -0,27 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,6 | <b>Frame</b> | <b>1,31</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,4 | <b>Dairy Strength</b> | <b>-0,29</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Feet &amp; Legs</b> | <b>-0,53</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 77,2 | <b>Udder</b> | <b>-0,10</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>33,4</b> |
|--|------------|-------------|

rank 249.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>GRAF-ACRES MORRELL-ET</b> | <b>US000062071128</b> | <b>24.06.2004</b> | <b>MED-022</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 28.09.2005 |
|                   |                                   | US           | M05009139  |

### Pedigree

|                           |            |                             |         |
|---------------------------|------------|-----------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |         |
| O-BEE MANFRED JUSTICE-ET  |            | US000002183007              |         |
| US000122358313            | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |         |
| MED-012                   |            | US000015459080              |         |
| <b>Dam</b>                | <b>MGS</b> | STARTMORE RUDOLPH-ET        |         |
| VAR-BROS RUDOLPH MARTA-ET |            | CA000005470579              | ARS-015 |
| US000120419524            | <b>MGD</b> | END-ROAD BLCKSTAR MONA-ET   |         |
|                           |            | US000014414752              |         |

|                             |            |           |    |            |           |              |           |              |      |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|--------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.      | 1209      | Rel.         | 99 %      | <b>SPI</b>   | 3068 |
| Number controls             |            | <b>BV</b> |    | Milk       |           | Fat          | %         | Prot.        | %    |
| <b>20662</b>                |            |           |    | <b>805</b> | <b>19</b> | <b>-0,20</b> | <b>22</b> | <b>-0,06</b> |      |
|                             |            |           |    |            |           |              |           | <b>SCS</b>   | 2,19 |
|                             |            |           |    |            |           |              |           | rank         | 35.  |
|                             |            |           |    |            |           |              |           | rank         | 14.  |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 61 / 11 | Daug. | 437 | 81,0 | Rel. | 97 % | <b>TYPE</b> | 0,33 |
|                  |             |       |         |       |     |      |      |      | rank        | 360. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,42  |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | 0,27  |    |    |   |    |    |
| Body Depth            | -0,37 |    |    |   |    |    |
| Rump Angle            | -0,24 |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | 0,08  |    |    |   |    |    |
| Teat Length           | -0,19 |    |    |   |    |    |
| Rear Udder Height     | -0,25 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | 0,29  |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,2 | <b>Frame</b> | <b>0,75</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,7 | <b>Dairy Strength</b> | <b>-0,25</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,5 | <b>Feet &amp; Legs</b> | <b>0,58</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 78,8 | <b>Udder</b> | <b>-0,24</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>105,9</b> |
|--|------------|--------------|

rank 76.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>MAPEL WOOD COMMOTION-ET</b> | <b>CA000005897055</b> | <b>18.08.1993</b> | <b>ATE-004</b> |
| Country of origin              | CA                    | <b>Breed</b>      | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                |                       | Paternity         | 22.12.1993     |
|                                |                       | CAN               | 315917         |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | HANOVERHILL STARBUCK        |
| DUREGAL ASTRE STARBUCK ET |            | CA000000352790              |
| CA000000392405            | <b>PGD</b> | DUREGAL RIVALITY VALIANT-ET |
| STB-015                   |            | CA000003637287              |
| <b>Dam</b>                | <b>MGS</b> | WALKWAY CHIEF MARK          |
| ARNELL MARK DIAMONDS-ET   |            | US000001773417              |
| CA000004850253            | <b>MGD</b> | ARNELL MARQUIS DARLA        |
|                           |            | CA000003532355              |

|                             |            |           |    |          |     |           |              |            |              |
|-----------------------------|------------|-----------|----|----------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.    | 157 | Rel.      | 95 %         | <b>SPI</b> | -218         |
| Number controls             |            | <b>BV</b> |    | Milk     |     | Fat       | %            | Prot.      | %            |
| <b>3305</b>                 |            |           |    | <b>0</b> |     | <b>-3</b> | <b>-0,07</b> | <b>-2</b>  | <b>-0,05</b> |
|                             |            |           |    |          |     |           |              | <b>SCS</b> | <b>3,01</b>  |
|                             |            |           |    |          |     |           |              | rank       | 470.         |
|                             |            |           |    |          |     |           |              | rank       | 550.         |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 30 | 78,1 | Rel. | 71 % | <b>TYPE</b> | <b>0,33</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 361.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,12  |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | -0,22 |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | -0,67 |    |    |   |    |    |
| Fore Udder Attachment | -0,42 |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | 0,26  |    |    |   |    |    |
| Rear Udder Height     | -0,30 |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | 0,86  |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

82,0 **Frame** 1,27

77,9 **Dairy Strength** 1,34

76,8 **Feet & Legs** -1,36

76,7 **Udder** -0,14

**SHI** 6,8

rank 346.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>MAINSTREAM MANIFOLD</b> | <b>US000135747713</b> | <b>26.09.2004</b> | <b>MED-025</b> |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 03.10.2005     |
|                            |                       | CA                | DC147970       |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | MARA-THON BW MARSHALL-ET TV |
| MAINSTREAM MARSH AEROINE |            | US000002290977              |
| US000131601848           | <b>MGD</b> | MAINSTREAM EMORY HERSHEY    |
|                          |            | US000128074257              |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>1702</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>3851</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 18.         |
| <b>24305</b>                |            |           |           | <b>864</b> |             | <b>31</b> | <b>-0,05</b> | <b>28</b>  | <b>0,02</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,94</b> |
|                             |            |           |           |            |             |           |              | rank       | 460.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>66 / 14</b> | Daug. | <b>286</b> | 81,0 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,33</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 362.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,11 |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | 0,40  |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | 0,30  |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | 0,48  |    |    |   |    |    |
| Rump Width            | 0,13  |    |    |   |    |    |
| Rear Legs Rear View   | -0,87 |    |    |   |    |    |
| Rear Teat Placement   | -0,66 |    |    |   |    |    |
| Locomotion            | -0,56 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,0 | <b>Frame</b> | <b>0,08</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,9 | <b>Dairy Strength</b> | <b>0,66</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 81,7 | <b>Feet &amp; Legs</b> | <b>-1,22</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 78,6 | <b>Udder</b> | <b>0,64</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>129,5</b> |
|--|------------|--------------|

rank 41.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>O-BEE MANFRED JUSTICE-ET</b> | <b>US000122358313</b> | <b>08.03.1998</b> | <b>MED-012</b> |

|                   |                                   |              |             |
|-------------------|-----------------------------------|--------------|-------------|
| Country of origin | US                                | <b>Breed</b> | H100        |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA          |
|                   |                                   | Paternity    | 19.11.2001  |
|                   |                                   | US           | IMMGN 6093A |

### Pedigree

|                             |                |                             |
|-----------------------------|----------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | OSDEL-ENDEAVOR BOVA CUBBY   |
| HA-HO CUBBY MANFRED-ET      | US000001986164 | BA-002                      |
| US000002183007              | <b>PGD</b>     | HA-HO TESK MELANIE          |
|                             | US000013066986 |                             |
| <b>Dam</b>                  | <b>MGS</b>     | EMPRISE BELL ELTON          |
| MEIER-MEADOWS EL JEZEBEL-ET | US000001912270 |                             |
| US000015459080              | <b>MGD</b>     | MEIER-MEADOWS MELWOOD JACKI |
|                             | US000013751565 |                             |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>10</b> | Daug.       | <b>119</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>4897</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 3.          |
| <b>2659</b>                 |            |           |           | <b>1062</b> |            | <b>37</b> | <b>-0,06</b> | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |           |             |            | <b>37</b> | <b>0,08</b>  | rank       | 275.        |

|                  |             |       |               |       |            |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>29 / 7</b> | Daug. | <b>107</b> | 79,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,33</b> |
|                  |             |       |               |       |            |      |      | rank        | 363.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,55  |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | 0,76  |    |    |   |    |    |
| Body Depth            | 0,42  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,74 |    |    |   |    |    |
| Foot Angle            | 0,37  |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | 0,84  |    |    |   |    |    |
| Teat Length           | -0,00 |    |    |   |    |    |
| Rear Udder Height     | -0,42 |    |    |   |    |    |
| Rear Udder Width      | -0,52 |    |    |   |    |    |
| Central Ligament      | -0,67 |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,96 |    |    |   |    |    |
| Rear Teat Placement   | -0,51 |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | 0,58  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,8 | <b>Frame</b> | <b>1,15</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,7 | <b>Dairy Strength</b> | <b>0,01</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,9 | <b>Feet &amp; Legs</b> | <b>0,66</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,8 | <b>Udder</b> | <b>-0,63</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>160,8</b> |
|--|------------|--------------|

rank 18.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>MAXIMO RED-ET</b> | <b>DE000349946452</b> | <b>28.02.2005</b> | <b>BW-047</b>  |
| Country of origin    | DE                    | <b>Breed</b>      | R100           |
| Distributor          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                      |                       | Paternity         | 07.03.2005     |
|                      |                       | DE                | 05/34007       |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| B-HIDDENHILLS MAR MARMAX-ET |            | US000002290977              |
| US000126853007              | <b>PGD</b> | NEYER MOMENTUM MAXY-ET      |
| BW-034                      |            | US000015361293              |
| <b>Dam</b>                  | <b>MGS</b> | RICECREST MARSHALL-ET       |
| FWS ESMERALDA               |            | US000002297473              |
| DE000347430679              | <b>MGD</b> | ELLENA CLE-ET               |
|                             |            | DE000577049496              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.      | <b>107</b> | Rel.      | <b>90 %</b>  | <b>SPI</b> | <b>2844</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 44.         |
| <b>1224</b>                 |            |           |           | <b>637</b> |            | <b>19</b> | <b>-0,09</b> | <b>SCS</b> | <b>2,55</b> |
|                             |            |           |           |            |            | <b>22</b> | <b>0,04</b>  | rank       | 91.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 2</b> | Daug. | <b>36</b> | 81,2 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>0,33</b> |
|                  |             |       |               |       |           |      |      | rank        | 364.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,07  |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,53 |    |    |   |    |    |
| Rump Angle            | -1,47 |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | 0,69  |    |    |   |    |    |
| Rear Udder Width      | 0,57  |    |    |   |    |    |
| Central Ligament      | -0,39 |    |    |   |    |    |
| Udder Depth           | 0,93  |    |    |   |    |    |
| Rump Width            | -1,04 |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | 0,52  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,6 | <b>Frame</b>           | <b>0,57</b>  |
| 80,8 | <b>Dairy Strength</b>  | <b>-1,11</b> |
| 83,3 | <b>Feet &amp; Legs</b> | <b>0,28</b>  |
| 78,6 | <b>Udder</b>           | <b>0,56</b>  |
|      | <b>SHI</b>             | <b>98,8</b>  |
|      | rank                   | 88.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>RIETBEN CHARGE-ET</b> | <b>CA000007229251</b> | <b>04.01.1999</b> | <b>MTY-002</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 13.01.2000 |
|                   |                | CAN          | BT447146   |

### Pedigree

|                     |                |                             |
|---------------------|----------------|-----------------------------|
| <b>Sire</b>         | <b>PGS</b>     | TESK-HOLM VALIANT ROCKIE    |
| RICECREST MARTY-ET  | US000001841366 | VAL-016                     |
| US000002231562      | <b>PGD</b>     | WA-DEL RC BLCKSTR MARTHA-ET |
| TES-007             | US000013907649 |                             |
| <b>Dam</b>          | <b>MGS</b>     | STARTMORE RUDOLPH-ET        |
| BRAEDALE CHEETAH-ET | CA000005470579 | ARS-015                     |
| CA000006827470      | <b>MGD</b>     | BRAEDALE GYPSY GRAND        |
|                     | CA000005912235 |                             |

|                             |            |           |           |             |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>59</b> | Daug.       | <b>1327</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-814</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       |             | rank       | 604.        |
| <b>26842</b>                |            |           |           | <b>-270</b> |             | <b>-2</b> | <b>0,15</b> | <b>SCS</b> | <b>2,72</b> |
|                             |            |           |           |             |             | <b>-6</b> | <b>0,05</b> | rank       | 198.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>42 / 15</b> | Daug. | <b>256</b> | 79,5 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,33</b> |
|                  |             |       |                |       |            |      |      | rank        | 365.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,48  |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | -0,25 |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | 1,04  |    |    |   |    |    |
| Front Teat Placement  | 0,50  |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | 0,92  |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | 1,51  |    |    |   |    |    |
| Rump Width            | -0,55 |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | -0,33 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 82,6 | <b>Frame</b>           | <b>0,02</b>  |
|                 | 79,5 | <b>Dairy Strength</b>  | <b>-0,44</b> |
|                 | 79,5 | <b>Feet &amp; Legs</b> | <b>-0,80</b> |
|                 | 78,0 | <b>Udder</b>           | <b>1,19</b>  |
|                 |      | <b>SHI</b>             | <b>-11,5</b> |
|                 |      | rank                   | 395.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOMAZ MERCANTILE-ET</b> | <b>US000061166977</b>      | <b>26.01.2003</b> | <b>PAW-004</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.05.2004 |
|                   |                | US           | IG018954C  |

### Pedigree

|                       |            |                          |
|-----------------------|------------|--------------------------|
| <b>Sire</b>           | <b>PGS</b> | PARKER AERO WADE-ET      |
| ALTAGEN-I MERCHANT-ET |            | US000002182318           |
| CA000007104235        | <b>PGD</b> | PASEN BELLWOOD MATRON-ET |
|                       |            | US000015847175           |
| <b>Dam</b>            | <b>MGS</b> | LENZWAY TESK RUBYTOM ET  |
| DALSE BOMAZ 1617      |            | US000002184421           |
| US000123654814        | <b>MGD</b> | DALSE BOMAZ-1551         |
|                       |            | US000120838747           |

|                             |            |           |    |            |          |              |           |              |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.      | 164      | Rel.         | 95 %      | <b>SPI</b>   | 1046        |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat          | %         | Prot.        | %           |
| <b>2970</b>                 |            |           |    | <b>650</b> | <b>9</b> | <b>-0,28</b> | <b>-1</b> | <b>-0,43</b> | <b>SCS</b>  |
|                             |            |           |    |            |          |              |           |              | rank        |
|                             |            |           |    |            |          |              |           |              | 234.        |
|                             |            |           |    |            |          |              |           |              | <b>rank</b> |
|                             |            |           |    |            |          |              |           |              | 96.         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 13 | 80,5 | Rel. | 48 % | <b>TYPE</b> | 0,32 |
|                  |             |       |       |       |    |      |      |      | rank        | 366. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,83  |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | 0,03  |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | 0,75  |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | 0,64  |    |    |   |    |    |
| Rump Width            | -0,08 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,39  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,9 | <b>Frame</b> | <b>0,79</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,6 | <b>Dairy Strength</b> | <b>0,01</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 82,7 | <b>Feet &amp; Legs</b> | <b>0,75</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,8 | <b>Udder</b> | <b>-0,40</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>44,5</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>TEDESCO LACTO</b> | <b>CA000005346057</b> | <b>08.03.1991</b> | <b>LAD-005</b> |
| Country of origin    | CA                    | <b>Breed</b>      | H100           |
| Distributor          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                      |                       | Paternity         | 29.11.1991     |
|                      |                       | CAN               | 262739         |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | S-W-D VALIANT           |
| O-BEE VALIANT LILA         |            | US000001650414          |
| CA000003951964             | <b>MGD</b> | O-BEE ELEVATION LINDA   |
|                            |            | US000008888474          |

|                             |            |           |           |             |             |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>98</b> | Daug.       | <b>1227</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1653</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        | %            | rank       | 799.         |
| <b>22207</b>                |            |           |           | <b>-330</b> |             | <b>-15</b> | <b>-0,07</b> | <b>SCS</b> | <b>4,09</b>  |
|                             |            |           |           |             |             | <b>-12</b> | <b>-0,05</b> | rank       | 1248.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 8</b> | Daug. | <b>26</b> | 77,6 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>0,32</b> |
|                  |             |       |               |       |           |      |      | rank        | 367.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | 0,14  |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | -0,39 |    |    |   |    |    |
| Rear Legs Side View   | -0,03 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | -0,39 |    |    |   |    |    |
| Teat Length           | 0,59  |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | 0,18  |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | -0,36 |    |    |   |    |    |
| Rump Width            | 0,63  |    |    |   |    |    |
| Rear Legs Rear View   | -0,05 |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,2 | <b>Frame</b>           | <b>0,63</b>  |
| 75,5 | <b>Dairy Strength</b>  | <b>0,59</b>  |
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,49</b>  |
| 76,3 | <b>Udder</b>           | <b>-0,19</b> |
|      | <b>SHI</b>             | <b>-37,0</b> |
|      | rank                   | 467.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>VAR ETLAR</b>  | <b>DK000000242413</b>             | 20.11.1998   | <b>LUS-001</b> |
| Country of origin | DK                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 23.02.1999     |
|                   |                                   | DNK          | 203693         |

### Pedigree

|                    |            |                            |
|--------------------|------------|----------------------------|
| <b>Sire</b>        | <b>PGS</b> | ROTHROCK TRADITION LEADMAN |
| LUKAS              |            | US000001983348             |
| DE001012104370     | <b>PGD</b> | EUGENIE 2                  |
|                    |            | DE001002482030             |
| <b>Dam</b>         | <b>MGS</b> | MADAWASKA AEROSTAR         |
| SOLBJERG AERO ALMA |            | CA000000383622             |
| DK003931601119     | <b>MGD</b> | DK003931600922             |

|                             |            |           |    |           |      |          |             |            |              |
|-----------------------------|------------|-----------|----|-----------|------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 76 | Daug.     | 1654 | Rel.     | 99 %        | <b>SPI</b> | 213          |
| Number controls             |            | <b>BV</b> |    | Milk      |      | Fat      | %           | Prot.      | %            |
| <b>31543</b>                |            |           |    | <b>65</b> |      | <b>4</b> | <b>0,02</b> | <b>0</b>   | <b>-0,04</b> |
|                             |            |           |    |           |      |          |             | <b>SCS</b> | <b>3,36</b>  |
|                             |            |           |    |           |      |          |             | rank       | 389.         |
|                             |            |           |    |           |      |          |             | rank       | 988.         |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 23 / 8 | Daug. | 185 | 79,2 | Rel. | 93 % | <b>TYPE</b> | 0,31 |
|                  |             |       |        |       |     |      |      |      | rank        | 368. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,50  |    |    |   |    |    |
| Angularity            | 0,87  |    |    |   |    |    |
| Chest Width           | -0,44 |    |    |   |    |    |
| Body Depth            | -0,56 |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | -0,47 |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | 0,90  |    |    |   |    |    |
| Teat Length           | -0,61 |    |    |   |    |    |
| Rear Udder Height     | 0,51  |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | 0,42  |    |    |   |    |    |
| Rump Width            | -0,38 |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | -0,35 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,9 | <b>Frame</b>           | <b>0,24</b>  |
| 80,7 | <b>Dairy Strength</b>  | <b>0,78</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>-0,87</b> |
| 76,8 | <b>Udder</b>           | <b>0,47</b>  |
|      | <b>SHI</b>             | <b>19,0</b>  |
|      | rank                   | 297.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>GASPARDY</b>   | <b>FR000802899244</b>             | <b>04.07.2011</b> | <b>AML-008</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 24.04.2013     |
|                   |                                   | FR                | F/S 802899244  |

### Pedigree

**Sire** \_\_\_\_\_ **PGS** END-ROAD PVF BOLIVER-ET  
CHARLESDALE SUPERSTITION-ET  
US000062065919  
AML-004 **PGD** CHARLESDALE SWEET STAR  
US000133701030

**Dam** \_\_\_\_\_ **MGS** PICSTON SHOTTLE-ET  
BRANDT-VIEW SHOTTLE FERN-ET  
US000136855019  
PEL-033 **MGD** BRANDT-VIEW DURHAM ALLY  
US000131508305

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>23</b> | Daug.      | <b>324</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>1290</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 190.         |
| <b>1562</b>                 |            |           |           | <b>329</b> |            | <b>11</b> | <b>-0,04</b> | <b>8</b>   | <b>-0,04</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>1,95</b>  |
|                             |            |           |           |            |            |           |              | rank       | 4.           |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 5</b> | Daug. | <b>53</b> | 81,6 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>0,31</b> |
|                  |             |       |               |       |           |      |      | rank        | 369.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | -0,35 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,35  |    |    |   |    |    |
| Rump Angle            | 0,82  |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | -0,16 |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | 0,28  |    |    |   |    |    |
| Teat Length           | 0,65  |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | -0,67 |    |    |   |    |    |
| Central Ligament      | 0,84  |    |    |   |    |    |
| Udder Depth           | 1,02  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,44  |    |    |   |    |    |

daught. average

84,9 **Frame** **0,91**

81,2 **Dairy Strength** **-0,16**

83,4 **Feet & Legs** **0,08**

79,2 **Udder** **-0,23**

**SHI** **51,3**

rank 200.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                      |                   |                |
|------------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number  | Birth date        | State Register |
| <b>MEDZICILIZIE MICA HILLRO ET</b> | <b>SK00000013853</b> | <b>20.04.1997</b> | <b>MIC-004</b> |
| Country of origin <b>SK</b>        |                      | <b>Breed</b>      | H100           |
| Distributor                        |                      | Herdbook          | HA             |
|                                    |                      | Paternity         | ...            |

### Pedigree

|  |            |   |
|--|------------|---|
| <b>Sire</b>                                | <b>PGS</b> | ARLINDA MELWOOD-ET<br>US000001879149      |
| CMV MICA-ET<br>US000002125714              | <b>PGD</b> | BRIARPATCH-R MISTY-ET<br>US000012882374   |
| <b>Dam</b>                                 | <b>MGS</b> | MADAWASKA AEROSTAR<br>CA000000383622      |
| OMTHILL AEROSTAR,SIAM-ET<br>US000014354851 | <b>MGD</b> | OMTHILL SAFARI SADIE,ET<br>US000013717553 |

STB-011

|                             |            |           |           |             |           |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>83</b> | Rel.       | <b>91 %</b>  | <b>SPI</b> | <b>-977</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 638.        |
| <b>1298</b>                 |            |           |           | <b>-130</b> |           | <b>-13</b> | <b>-0,17</b> | <b>SCS</b> | <b>3,03</b> |
|                             |            |           |           |             |           | <b>-7</b>  | <b>-0,07</b> | rank       | 578.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>12</b> | 76,6 | Rel. | <b>54 %</b> | <b>TYPE</b> | <b>0,31</b> |
|                  |             |       |              |       |           |      |      | rank        | 370.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,22  |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,75 |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,36 |    |    |   |    |    |
| Teat Length           | 0,28  |    |    |   |    |    |
| Rear Udder Height     | -0,41 |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | -0,01 |    |    |   |    |    |
| Udder Depth           | -0,77 |    |    |   |    |    |
| Rump Width            | -0,66 |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | -0,47 |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

79,1 **Frame** **0,18**

76,2 **Dairy Strength** **1,03**

77,5 **Feet & Legs** **1,25**

75,0 **Udder** **-0,75**

**SHI** **-17,1**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>LOUBEL DOUBLE PLAY</b> | <b>CA000005336993</b>      | <b>14.03.1991</b> | <b>LID-003</b>        |
| Country of origin         | CA                         | <b>Breed</b>      | H100                  |
| Distributor               | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                           |                            | Paternity         | 22.06.1992            |
|                           |                            | CAN               | 279155                |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | S-W-D VALIANT             |
| A TOWNSON LINDY-ET          |            | US000001650414            |
| CA000000382748              | <b>PGD</b> | TOWNSON ELEVATION LINDY   |
|                             |            | US000008721357            |
| <b>Dam</b>                  | <b>MGS</b> | HANOVERHILL STARBUCK      |
| DE LA PRESENTATION DEBY- ET |            | CA000000352790            |
| CA000004467638              | <b>MGD</b> | DE LA PRESENTATION ONELLE |
|                             |            | CA000003492620            |

|                             |            |           |           |            |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.      | <b>241</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-1652</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat        |              | rank       | 798.         |
| <b>4435</b>                 |            |           |           | <b>-92</b> |            | <b>-21</b> | <b>-0,35</b> | <b>SCS</b> | <b>3,52</b>  |
|                             |            |           |           |            |            | <b>-15</b> | <b>-0,27</b> | rank       | 1120.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 5</b> | Daug. | <b>37</b> | 77,5 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,30</b> |
|                  |             |       |               |       |           |      |      | rank        | 371.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | 0,26  |    |    |   |    |    |
| Chest Width           | 0,28  |    |    |   |    |    |
| Body Depth            | 0,23  |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,56  |    |    |   |    |    |
| Foot Angle            | -0,69 |    |    |   |    |    |
| Fore Udder Attachment | -0,74 |    |    |   |    |    |
| Front Teat Placement  | -0,66 |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | 1,04  |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | 0,47  |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | -0,17 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,76</b>  |
| 75,8 | <b>Dairy Strength</b>  | <b>1,28</b>  |
| 76,4 | <b>Feet &amp; Legs</b> | <b>-1,45</b> |
| 76,7 | <b>Udder</b>           | <b>0,04</b>  |
|      | <b>SHI</b>             | <b>-37,7</b> |
|      | rank                   | 470.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                            |                   |                       |
|---------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>WHAT-IF OLDTOWN BROCK-ET</b> | <b>US000017385340</b>      | <b>12.02.1997</b> | <b>PAT-002</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 20.03.1998 |
|                   |                | CAN          | BT414015   |

### Pedigree

|                        |            |                               |         |
|------------------------|------------|-------------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | TO-MAR BLACKSTAR-ET           |         |
| BRABANT STAR PATRON-ET |            | US000001929410                | CHR-002 |
| US000002160458         | <b>PGD</b> | BRABANT NED BOY PAULA         |         |
| BS-034                 |            | US000012986269                |         |
| <b>Dam</b>             | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| DIXIE-LEE BRITTON-ET   |            | US000002020049                | NBY-011 |
| US000014929523         | <b>MGD</b> | PRICES MELWOOD BETSY-ET       |         |
|                        |            | US000013792861                |         |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 338 | Rel. | 97 %  | <b>SPI</b> | 386   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 5454                        |            |           |    | 149   |     | -1   | -0,14 | 3          | -0,03 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 2,90  |
|                             |            |           |    |       |     |      |       | rank       | 349.  |
|                             |            |           |    |       |     |      |       | rank       | 399.  |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 66 | 78,5 | Rel. | 82 % | <b>TYPE</b> | 0,30 |
|                  |             |       |        |       |    |      |      |      | rank        | 372. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,43 |    |    |   |    |    |
| Angularity            | -0,32 |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | 0,84  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | 0,48  |    |    |   |    |    |
| Front Teat Placement  | 1,17  |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,97  |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | -0,53 |    |    |   |    |    |
| Rump Width            | 1,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,58 |    |    |   |    |    |
| Rear Teat Placement   | 0,80  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 80,3 | <b>Frame</b>           | -0,26 |
|                 | 78,3 | <b>Dairy Strength</b>  | -0,54 |
|                 | 77,5 | <b>Feet &amp; Legs</b> | -0,97 |
|                 | 78,3 | <b>Udder</b>           | 1,37  |
|                 |      | <b>SHI</b>             | 23,7  |
|                 |      | rank                   | 278.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>BRAEDALE PAGEWIRE-ET</b> | <b>CA000008641364</b> | <b>18.03.2002</b> | <b>JUX-008</b> |
| Country of origin           | CA                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 19.08.2002     |
|                             |                       | CA                | DC76595        |

### Pedigree

|                         |            |                           |        |
|-------------------------|------------|---------------------------|--------|
| <b>Sire</b>             | <b>PGS</b> | KED JUROR-ET              |        |
| SUMMERSHADE INQUIRER    |            | US000002124357            | BS-017 |
| CA000006483076          | <b>PGD</b> | SUMMERSHADE ILENE SCOT-ET |        |
| JUX-002                 |            | CA000005619306            |        |
| <b>Dam</b>              | <b>MGS</b> | MAUGHLIN STORM-ET         |        |
| BRAEDALE BALER TWINE-ET |            | CA000005457798            |        |
| CA000006860888          | <b>MGD</b> | BRAEDALE GYPSY GRAND      |        |
|                         |            | CA000005912235            |        |

|                             |            |           |   |       |     |       |      |            |            |
|-----------------------------|------------|-----------|---|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 8 | Daug. | 116 | Rel.  | 94 % | <b>SPI</b> | 1544       |
| Number controls             |            | <b>BV</b> |   | Milk  |     | Fat   | %    | Prot.      | %          |
| 2286                        |            |           |   | 327   | 5   | -0,15 | 15   | 0,09       | <b>SCS</b> |
|                             |            |           |   |       |     |       |      |            | rank       |
|                             |            |           |   |       |     |       |      |            | 3,09       |
|                             |            |           |   |       |     |       |      |            | rank       |
|                             |            |           |   |       |     |       |      |            | ...        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 4 | Daug. | 37 | 79,8 | Rel. | 75 % | <b>TYPE</b> | 0,30 |
|                  |             |       |        |       |    |      |      |      | rank        | 373. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,22  |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | -1,20 |    |    |   |    |    |
| Body Depth            | -1,28 |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | 0,44  |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 1,18  |    |    |   |    |    |
| Front Teat Placement  | 0,63  |    |    |   |    |    |
| Teat Length           | -0,70 |    |    |   |    |    |
| Rear Udder Height     | 1,31  |    |    |   |    |    |
| Rear Udder Width      | 0,08  |    |    |   |    |    |
| Central Ligament      | 1,04  |    |    |   |    |    |
| Udder Depth           | 2,02  |    |    |   |    |    |
| Rump Width            | -0,45 |    |    |   |    |    |
| Rear Legs Rear View   | -1,57 |    |    |   |    |    |
| Rear Teat Placement   | 0,45  |    |    |   |    |    |
| Locomotion            | -0,32 |    |    |   |    |    |
| Body Condition        | -0,88 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 85,1 | <b>Frame</b>           | 0,50  |
| 79,3 | <b>Dairy Strength</b>  | -1,28 |
| 78,9 | <b>Feet &amp; Legs</b> | -1,19 |
| 77,7 | <b>Udder</b>           | 1,56  |
|      | <b>SHI</b>             | 58,4  |
|      | rank                   | 182.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>PAT S GOLDMINE</b> | <b>NL000385965426</b>             | <b>27.02.2004</b> | <b>MEG-008</b> |
| Country of origin     | NL                                | <b>Breed</b>      | H100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 19.08.2004     |
|                       |                                   | NL                | 117002         |

### Pedigree

**Sire** **PGS** MEADOW BRIDGE MEGABUCK  
BRAEDALE GOODLUCK  
CA000006790237  
**PGD** BRAEDALE GYPSY GRAND  
CA000005912235

**Dam** **MGS** BRABANT STAR PATRON-ET  
GALAXY HEIDI  
NL000217617978  
US000002160458 **BS-034**  
**MGD** SUNSHINE-D-P OSCAR PATSY-ET  
US000015477842

|                             |            |           |           |             |           |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>25</b> | Daug.       | <b>57</b> | Rel.     | <b>89 %</b> | <b>SPI</b> | <b>108</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat      |             | rank       | 404.        |
| <b>1136</b>                 |            |           |           | <b>-119</b> |           | <b>8</b> | <b>0,23</b> | <b>SCS</b> | <b>2,30</b> |
|                             |            |           |           |             |           | <b>1</b> | <b>0,10</b> | rank       | 26.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 12</b> | Daug. | <b>25</b> | 79,2 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>0,29</b> |
|                  |             |       |                |       |           |      |      | rank        | 374.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,65 |    |    |   |    |    |
| Angularity            | -0,25 |    |    |   |    |    |
| Chest Width           | 0,43  |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -0,46 |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | -0,59 |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | -0,23 |    |    |   |    |    |
| Teat Length           | -0,62 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,53  |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,69  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | -0,54 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,68  |    |    |   |    |    |

daught. average

80,8 **Frame** **-0,41**

78,9 **Dairy Strength** **-0,01**

79,3 **Feet & Legs** **-0,45**

78,4 **Udder** **1,04**

**SHI** **15,0**

rank 312.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>KIVALO BLACKSTAR-ET</b> | <b>HU000000012523</b> | <b>09.04.1991</b> | <b>BS-042</b>  |
| Country of origin          | HU                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         |                |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | GLENAFTON ENHANCER       |
| MERENGO             |            | CA000000343514           |
| HU000601002909      | <b>MGD</b> | MERENGO                  |
|                     |            | HU000650009118           |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 821 | Rel.  | 99 % | <b>SPI</b> | -200       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| <b>18088</b>                |            |           |    | 137   | 0   | -0,11 | -6   | -0,23      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 467.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 741.       |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 8 | Daug. | 162 | 76,7 | Rel. | 93 % | <b>TYPE</b> | 0,29 |
|                  |             |       |        |       |     |      |      |      | rank        | 375. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,15 |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,97  |    |    |   |    |    |
| Body Depth            | 0,38  |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | -0,36 |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | 0,43  |    |    |   |    |    |
| Front Teat Placement  | 0,11  |    |    |   |    |    |
| Teat Length           | -0,61 |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | -0,32 |    |    |   |    |    |
| Udder Depth           | -0,21 |    |    |   |    |    |
| Rump Width            | 0,64  |    |    |   |    |    |
| Rear Legs Rear View   | -0,74 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | 0,68  |    |    |   |    |    |

daught. average

80,8 **Frame** 0,53

74,6 **Dairy Strength** 0,11

76,2 **Feet & Legs** -1,08

76,1 **Udder** 0,69

**SHI** 5,6

rank 351.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>SPACE</b>     | <b>NL000775256486</b> | <b>10.03.1991</b> | <b>ARS-007</b> |

|                   |                   |              |              |
|-------------------|-------------------|--------------|--------------|
| Country of origin | NL                | <b>Breed</b> | H100         |
| Distributor       | Novaselekt s.r.o. | Herdbook     | HA           |
|                   |                   | Paternity    | 09.06.1992   |
|                   |                   | NLD          | 019201657010 |

### Pedigree

|                    |            |                      |
|--------------------|------------|----------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR |            | CA000000352790       |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011            |            | CA0000003511527      |
| <b>Dam</b>         | <b>MGS</b> | WALKWAY CHIEF MARK   |
| INGRID             |            | US000001773417       |
| DE000107140159     | <b>MGD</b> | 117 FORTUN           |
|                    |            | DE000105867064       |

|                             |            |           |    |             |     |           |              |            |             |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug.       | 265 | Rel.      | 97 %         | <b>SPI</b> | -835        |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       |              | rank       | 611.        |
| <b>5673</b>                 |            |           |    | <b>-163</b> |     | <b>-5</b> | <b>0,02</b>  | <b>SCS</b> | <b>2,82</b> |
|                             |            |           |    |             |     | <b>-7</b> | <b>-0,06</b> | rank       | 313.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 15 | 76,5 | Rel. | 70 % | <b>TYPE</b> | 0,29 |
|                  |             |       |       |       |    |      |      | rank | 376.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | -0,68 |    |    |   |    |    |
| Rear Legs Side View   | -0,98 |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | 0,17  |    |    |   |    |    |
| Front Teat Placement  | -0,34 |    |    |   |    |    |
| Teat Length           | 1,10  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | -0,02 |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,9 | <b>Frame</b>           | <b>0,04</b>  |
| 71,5 | <b>Dairy Strength</b>  | <b>-0,05</b> |
| 77,8 | <b>Feet &amp; Legs</b> | <b>0,03</b>  |
| 76,5 | <b>Udder</b>           | <b>0,69</b>  |
|      | <b>SHI</b>             | <b>-13,6</b> |
|      | rank                   | 403.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>PERNAY</b>            | <b>FR002228044183</b>                    | <b>16.01.1999</b> | <b>MED-002</b>        |
| <b>Country of origin</b> | <b>FR</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>21.06.2000</b>     |
|                          |  | <b>FRA</b>        | <b>742404</b>         |

### Pedigree

|                        |                |                                  |
|------------------------|----------------|----------------------------------|
| <b>Sire</b>            | <b>PGS</b>     | <b>OSDEL-ENDEAVOR BOVA CUBBY</b> |
| HA-HO CUBBY MANFRED-ET | US000001986164 | BA-002                           |
| US000002183007         | <b>PGD</b>     | <b>HA-HO TESK MELANIE</b>        |
|                        | US000013066986 |                                  |
| <b>Dam</b>             | <b>MGS</b>     | <b>EMPRISE BELL ELTON</b>        |
| JEZABELL               | US000001912270 |                                  |
| FR002294054938         | <b>MGD</b>     | <b>HORTENSIA</b>                 |
|                        | FR003592049420 |                                  |

|                             |                   |              |            |              |              |              |             |             |              |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|--------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>43</b>  | <b>Daug.</b> | <b>95</b>    | <b>Rel.</b>  | <b>93 %</b> | <b>SPI</b>  | <b>383</b>   |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> | <b>SCS</b>  | <b>351.</b>  |
| <b>1895</b>                 |                   | <b>278</b>   | <b>-8</b>  | <b>-0,35</b> | <b>3</b>     | <b>-0,11</b> | <b>rank</b> | <b>3,69</b> | <b>1195.</b> |

|                  |                    |              |                |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|----------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>15 / 13</b> | <b>Daug.</b> | <b>30</b> | <b>77,6</b> | <b>Rel.</b> | <b>71 %</b> | <b>TYPE</b> | <b>0,28</b> |
|                  |                    |              |                |              |           |             | <b>rank</b> |             | <b>377.</b> |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | -0,61 |    |    |   |    |    |
| Chest Width           | 0,44  |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | 0,28  |    |    |   |    |    |
| Rear Legs Side View   | -0,98 |    |    |   |    |    |
| Foot Angle            | -0,05 |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | 0,63  |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | 0,53  |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | -0,38 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

**78,8** **Frame** **0,29**

**75,9** **Dairy Strength** **-0,57**

**79,3** **Feet & Legs** **0,45**

**77,1** **Udder** **0,25**

**SHI** **22,6**

rank 283.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>SCOTT</b>      | <b>FR004240419108</b>             | <b>01.01.2001</b> | <b>BES-009</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.07.2002     |
|                   |                                   | NL                | 86819          |

### Pedigree

|                          |            |                |
|--------------------------|------------|----------------|
| <b>Sire</b>              | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN               |            | FR004486041658 |
| FR005694028588           | <b>PGD</b> | GAIA           |
|                          |            | FR005691017484 |
| <b>Dam</b>               | <b>MGS</b> | FATAL          |
| ALTAJRIORIE (ALTA OR805) |            | FR002290038601 |
| NL000181186289           | <b>MGD</b> | ORANGE         |
|                          |            | US000015809947 |

|                             |            |           |            |            |             |          |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>103</b> | Daug.      | <b>1821</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>457</b>   |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      |              | rank       | 339.         |
| <b>36413</b>                |            |           |            | <b>140</b> |             | <b>4</b> | <b>-0,03</b> | <b>2</b>   | <b>-0,05</b> |
|                             |            |           |            |            |             |          |              | <b>SCS</b> | <b>3,00</b>  |
|                             |            |           |            |            |             |          |              | rank       | 539.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>47 / 17</b> | Daug. | <b>345</b> | 78,9 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>0,28</b> |
|                  |             |       |                |       |            |      |      | rank        | 378.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,26 |    |    | ■ |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    | ■  |
| Rump Angle            | -1,24 |    | ■  |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    | ■  |
| Foot Angle            | 0,30  |    |    |   |    | ■  |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    | ■  |
| Teat Length           | -0,70 |    | ■  |   |    |    |
| Rear Udder Height     | 0,00  |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    | ■  |
| Central Ligament      | 0,18  |    |    |   |    | ■  |
| Udder Depth           | -0,39 |    |    |   |    | ■  |
| Rump Width            | 0,47  |    |    |   |    | ■  |
| Rear Legs Rear View   | -0,19 |    |    |   |    | ■  |
| Rear Teat Placement   | -0,25 |    |    |   |    | ■  |
| Locomotion            | 0,26  |    |    |   |    | ■  |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

82,5 **Frame** **-0,35**

79,9 **Dairy Strength** **0,23**

79,2 **Feet & Legs** **0,59**

76,4 **Udder** **0,42**

**SHI** **24,8**

rank 269.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>SUMMERSHADE INQUIRER</b> | <b>CA000006483076</b> | <b>20.12.1995</b> | <b>JUX-002</b> |
| Country of origin           | CA                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 13.07.2000     |
|                             |                       | CAN               | M6483076       |

### Pedigree

|                           |            |                               |         |
|---------------------------|------------|-------------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | TO-MAR BLACKSTAR-ET           |         |
| KED JUROR-ET              |            | US000001929410                | CHR-002 |
| US000002124357            | <b>PGD</b> | KED MARK JUSTINE              |         |
| BS-017                    |            | US000012750091                |         |
| <b>Dam</b>                | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| SUMMERSHADE ILENE SCOT-ET |            | US000002020049                | NBY-011 |
| CA000005619306            | <b>MGD</b> | SUMMERSHADE IRENA STAR-ET     |         |
|                           |            | CA000005156551                |         |

|                             |            |           |           |            |            |              |             |              |             |
|-----------------------------|------------|-----------|-----------|------------|------------|--------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.      | <b>659</b> | Rel.         | <b>99 %</b> | <b>SPI</b>   | <b>-590</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat          | %           | Prot.        | %           |
| <b>13062</b>                |            |           |           | <b>-55</b> | <b>-5</b>  | <b>-0,07</b> | <b>-6</b>   | <b>-0,09</b> |             |
|                             |            |           |           |            |            |              |             | <b>SCS</b>   | <b>3,17</b> |
|                             |            |           |           |            |            |              |             | rank         | 555.        |
|                             |            |           |           |            |            |              |             | rank         | 753.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>36 / 17</b> | Daug. | <b>231</b> | 78,4 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,27</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 379.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,78  |    |    |   |    |    |
| Angularity            | 0,67  |    |    |   |    |    |
| Chest Width           | -1,52 |    |    |   |    |    |
| Body Depth            | -0,95 |    |    |   |    |    |
| Rump Angle            | 0,67  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,51  |    |    |   |    |    |
| Front Teat Placement  | 1,12  |    |    |   |    |    |
| Teat Length           | 0,76  |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | 1,06  |    |    |   |    |    |
| Rump Width            | -0,33 |    |    |   |    |    |
| Rear Legs Rear View   | -0,72 |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -1,23 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,12</b> |
| 78,6 | <b>Dairy Strength</b>  | <b>-0,21</b> |
| 78,2 | <b>Feet &amp; Legs</b> | <b>-0,66</b> |
| 77,2 | <b>Udder</b>           | <b>0,89</b>  |
|      | <b>SHI</b>             | <b>-7,0</b>  |
|      | rank                   | 382.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>WINDEMERE RIGI-ET</b> | <b>US000002115178</b>             | <b>12.12.1989</b> | <b>BS-010</b>  |
| Country of origin        | US                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 22.05.1990     |
|                          |                                   | USA               | IG139138B      |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN       |
| TO-MAR BLACKSTAR-ET           |            | US000001723741                 |
| US000001929410                | <b>PGD</b> | TO-MAR WAYNE HAY               |
| CHR-002                       |            | US000009804790                 |
| <b>Dam</b>                    | <b>MGS</b> | ARLINDA ROTATE                 |
| WHITELEATHER ROTATE TRADITION |            | US000001697572                 |
| US000012773763                | <b>MGD</b> | WHITELEATHER TRADITION SWD VAL |
|                               |            | US000012050171                 |

|                             |            |           |            |             |            |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>106</b> | Daug.       | <b>991</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2438</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |             | rank       | 964.         |
| <b>18347</b>                |            |           |            | <b>-668</b> |            | <b>-12</b> | <b>0,28</b> | <b>SCS</b> | <b>2,95</b>  |
|                             |            |           |            |             |            | <b>-18</b> | <b>0,05</b> | rank       | 470.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 19</b> | Daug. | <b>100</b> | 77,6 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>0,27</b> |
|                  |             |       |                |       |            |      |      | rank        | 380.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,41  |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | -0,74 |    |    |   |    |    |
| Front Teat Placement  | -0,00 |    |    |   |    |    |
| Teat Length           | 1,22  |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | 0,42  |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | -0,59 |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | -0,58 |    |    |   |    |    |

daught. average

80,7 **Frame** **0,60**

75,5 **Dairy Strength** **1,47**

77,2 **Feet & Legs** **-1,40**

77,5 **Udder** **0,33**

**SHI** **-62,8**

rank 536.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>KOENIG-ET</b> | <b>DE000577023256</b> | <b>15.02.1996</b> | <b>KOR-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 27.03.1996 |
|                   |                                   | DEU          | 964855     |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | ORKAN            |
| KOERIER 104    |            | DE001004565147   |
| NL000461733916 | <b>PGD</b> | TRIX 149         |
|                |            | NL000457698339   |
| <b>Dam</b>     | <b>MGS</b> | SABBIONA PETISSO |
| ARIZONA        |            | IT001305031272   |
| DE000576213905 | <b>MGD</b> | ADRIA 119        |
|                |            | DE000505161282   |

|                             |            |           |            |             |             |          |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>160</b> | Daug.       | <b>2302</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-865</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat      |             | rank       | 617.        |
| <b>47209</b>                |            |           |            | <b>-326</b> |             | <b>5</b> | <b>0,33</b> | <b>SCS</b> | <b>3,30</b> |
|                             |            |           |            |             |             |          |             | rank       | 913.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 15</b> | Daug. | <b>174</b> | 76,6 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,27</b> |
|                  |             |       |                |       |            |      |      | rank        | 381.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,90  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | 0,94  |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | 0,83  |    |    |   |    |    |
| Foot Angle            | -0,65 |    |    |   |    |    |
| Fore Udder Attachment | -0,65 |    |    |   |    |    |
| Front Teat Placement  | -0,42 |    |    |   |    |    |
| Teat Length           | 0,18  |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | -0,56 |    |    |   |    |    |
| Udder Depth           | -0,87 |    |    |   |    |    |
| Rump Width            | 0,92  |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,94 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,4 | <b>Frame</b> | <b>1,69</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 77,8 | <b>Dairy Strength</b> | <b>1,61</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,8 | <b>Feet &amp; Legs</b> | <b>-1,12</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 74,0 | <b>Udder</b> | <b>-1,28</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-15,5</b> |
|--|------------|--------------|

rank 418.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>MEDZICILIZIE MICA ETAN ET</b> | <b>SK000062627843</b> | <b>10.03.1997</b> | <b>MIC-003</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | SK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.03.1998 |
|                   |                                   | SVK          | 0232/29    |

### Pedigree

|                          |            |                        |
|--------------------------|------------|------------------------|
| <b>Sire</b>              | <b>PGS</b> | ARLINDA MELWOOD-ET     |
| CMV MICA-ET              |            | US000001879149         |
| US000002125714           | <b>PGD</b> | BRIARPATCH-R MISTY-ET  |
|                          |            | US000012882374         |
| <b>Dam</b>               | <b>MGS</b> | TO-MAR BLACKSTAR-ET    |
| GREEN-VALE BLACK,ETTA-ET |            | US000001929410         |
| US000014269278           | <b>MGD</b> | GREEN-VALE BO REETA,ET |
|                          |            | US000012875133         |

CHR-002

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 87 | Rel. | 91 %  | <b>SPI</b> | -564  |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| 1452                        |            |           |    | -17   |    | -2   | -0,03 | -8         | -0,16 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 3,35  |
|                             |            |           |    |       |    |      |       | rank       | 542.  |
|                             |            |           |    |       |    |      |       | rank       | 979.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 11 | 76,8 | Rel. | 53 % | <b>TYPE</b> | 0,26 |
|                  |             |       |       |       |    |      |      |      | rank        | 382. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,27  |    |    |   |    |    |
| Rump Angle            | -0,03 |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | 0,92  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -0,05 |    |    |   |    |    |
| Teat Length           | 0,94  |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | 0,44  |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

80,5 **Frame** 1,00

72,5 **Dairy Strength** -0,14

77,3 **Feet & Legs** 0,79

76,5 **Udder** -0,47

**SHI** -6,5

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>DURANO-ET</b>  | <b>DE001500161203</b>             | <b>15.11.2004</b> | <b>ELN-013</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 06.01.2005            |
|                   |                                   | DE                | 04/5371               |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | EMPRISE BELL ELTON        |
| REGANCREST ELTON DURHAM-ET |            | US000001912270            |
| US000002250783             | <b>PGD</b> | SNOW-N DENISES DELLIA     |
|                            |            | US000012895802            |
| <b>Dam</b>                 | <b>MGS</b> | BOULET CHARLES-ET         |
| MASAL CHARLES PRINCESS     |            | CA000000395671            |
| US000015764234             | <b>MGD</b> | C PROVETAZ PERSEUS BROKER |
|                            |            | US000015368399            |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>85</b> | Rel.       | <b>92 %</b>  | <b>SPI</b> | <b>-2981</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 1080.        |
| <b>1729</b>                 |            |           |           | <b>-592</b> |           | <b>-33</b> | <b>-0,23</b> | <b>SCS</b> | <b>3,14</b>  |
|                             |            |           |           |             |           | <b>-20</b> | <b>-0,04</b> | rank       | 717.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 6</b> | Daug. | <b>14</b> | 79,5 | Rel. | <b>55 %</b> | <b>TYPE</b> | <b>0,26</b> |
|                  |             |       |              |       |           |      |      | rank        | 383.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,54  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 1,11  |    |    |   |    |    |
| Body Depth            | 1,12  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | -0,14 |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,43  |    |    |   |    |    |
| Front Teat Placement  | -0,98 |    |    |   |    |    |
| Teat Length           | 0,81  |    |    |   |    |    |
| Rear Udder Height     | -0,45 |    |    |   |    |    |
| Rear Udder Width      | -0,46 |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | 0,44  |    |    |   |    |    |
| Rump Width            | 1,10  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | -0,06 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | 0,74  |    |    |   |    |    |

daught. average

85,3 **Frame** **1,70**

80,1 **Dairy Strength** **0,84**

78,8 **Feet & Legs** **0,41**

76,7 **Udder** **-0,95**

**SHI** **-79,6**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>AMBOISE</b>    | <b>FR006115062265</b>             | <b>13.01.2005</b> | <b>MED-010</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.03.2005     |
|                   |                                   | FR                | F/S 276253     |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | JOCKO BESN                  |
| ROLLS-EHB                |            | FR005694028588              |
| FR004509620370           | <b>MGD</b> | MEIKA EHB                   |
|                          |            | FR004596001494              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug. | 67  | Rel. | 91 %  | <b>SPI</b> | -757       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1232</b>                 |            |           |    | -249  | -8  | 0,01 | -3    | 0,11       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 589.       |
|                             |            |           |    |       |     |      |       |            | 977.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 5 | Daug. | 28 | 78,2 | Rel. | 70 % | <b>TYPE</b> | 0,25 |
|                  |             |       |       |       |    |      |      |      | rank        | 384. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,33  |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,88  |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | -0,47 |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,60 |    |    |   |    |    |
| Front Teat Placement  | -0,01 |    |    |   |    |    |
| Teat Length           | 0,80  |    |    |   |    |    |
| Rear Udder Height     | -0,40 |    |    |   |    |    |
| Rear Udder Width      | -0,36 |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | -0,58 |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | -0,33 |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

85,3 **Frame** 1,98

80,4 **Dairy Strength** 0,72

75,5 **Feet & Legs** -0,54

74,8 **Udder** -1,04

**SHI** -13,0

rank 401.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>SWIFTER BAS</b> | <b>NL000835899389</b> | <b>25.01.1994</b> | <b>MAS-007</b> |

|                   |                                   |              |              |
|-------------------|-----------------------------------|--------------|--------------|
| Country of origin | NL                                | <b>Breed</b> | H100         |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA           |
|                   |                                   | Paternity    | 30.09.1994   |
|                   |                                   | NLD          | 019406168010 |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY       |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201               |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY     |
| NBY-011                       |            | US000011356580               |
| <b>Dam</b>                    | <b>MGS</b> | LEKKER VALIANT ROYALTY       |
| CL-M ROYAL BARB               |            | US000001821208               |
| US000013339105                | <b>MGD</b> | CLOVER-MATT-WEST, BRIDGET-ET |
|                               |            | US000011831011               |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>56</b> | Daug.       | <b>210</b> | Rel.       | <b>96 %</b> | <b>SPI</b> | <b>-1824</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 836.         |
| <b>3818</b>                 |            |           |           | <b>-466</b> |            | <b>-16</b> | <b>0,04</b> | <b>SCS</b> | <b>3,50</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>0,06</b> | rank       | 1114.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 8</b> | Daug. | <b>10</b> | 77,4 | Rel. | <b>55 %</b> | <b>TYPE</b> | <b>0,25</b> |
|                  |             |       |              |       |           |      |      | rank        | 385.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | -0,20 |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | -0,13 |    |    |   |    |    |
| Rear Legs Side View   | 0,37  |    |    |   |    |    |
| Foot Angle            | 0,63  |    |    |   |    |    |
| Fore Udder Attachment | -0,36 |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | 0,04  |    |    |   |    |    |
| Rear Udder Height     | -0,13 |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | 0,00  |    |    |   |    |    |
| Udder Depth           | -0,44 |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | 0,18  |    |    |   |    |    |
| Rear Teat Placement   | 0,28  |    |    |   |    |    |
| Locomotion            | 0,09  |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 78,8 | <b>Frame</b> | <b>0,40</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 74,5 | <b>Dairy Strength</b> | <b>-0,29</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,15</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,1 | <b>Udder</b> | <b>0,14</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-45,2</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>HALMAR AGENDA</b> | <b>US000002166874</b> | <b>02.03.1991</b> | <b>BEL-013</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | US             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 22.08.1991 |
|                   |                | USA          | IG159285A  |

### Pedigree

|                            |            |                            |
|----------------------------|------------|----------------------------|
| <b>Sire</b>                | <b>PGS</b> | CARLIN-M IVANHOE BELL      |
| SOUTHWIND BELL OF BAR-LEE  |            | US000001667366             |
| US000001964484             | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET |
| BEL-001                    |            | US000011489023             |
| <b>Dam</b>                 | <b>MGS</b> | ARLINDA ROTATE             |
| HALMAR MOLLY ROTATE MARTHA |            | US000001697572             |
| US000012206910             | <b>MGD</b> | HALMAR JILL MARVEX MOLLY   |
|                            |            | US000010706938             |

|                             |            |           |           |             |             |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>87</b> | Daug.       | <b>1264</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-13</b>  |
| Number controls             |            | <b>BV</b> |           | <b>Milk</b> |             | <b>Fat</b> | <b>%</b>     | rank       | 428.        |
| <b>23744</b>                |            |           |           | <b>9</b>    |             | <b>-0</b>  | <b>-0,02</b> | <b>SCS</b> | <b>3,18</b> |
|                             |            |           |           |             |             |            |              | rank       | 773.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>25 / 11</b> | Daug. | <b>69</b> | 77,2 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>0,25</b> |
|                  |             |       |                |       |           |      |      | rank        | 386.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,79  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | -0,69 |    |    |   |    |    |
| Body Depth            | -0,38 |    |    |   |    |    |
| Rump Angle            | -1,05 |    |    |   |    |    |
| Rear Legs Side View   | -0,24 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,31  |    |    |   |    |    |
| Front Teat Placement  | -0,39 |    |    |   |    |    |
| Teat Length           | -0,26 |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | 0,81  |    |    |   |    |    |
| Udder Depth           | 0,02  |    |    |   |    |    |
| Rump Width            | -0,79 |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,59 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,7 | <b>Frame</b> | <b>0,20</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 75,4 | <b>Dairy Strength</b> | <b>-0,40</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,0 | <b>Feet &amp; Legs</b> | <b>0,17</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,0 | <b>Udder</b> | <b>0,41</b> |
|------|--------------|-------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>9,4</b> |
|--|------------|------------|

rank 336.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>SANDY-VALLEY DEPUTY-ET</b> | <b>US000062188557</b> | <b>09.04.2005</b> | <b>LUS-014</b> |
| Country of origin             | US                    | <b>Breed</b>      | H100           |
| Distributor                   | INSEMAS s.r.o.        | Herdbook          | HA             |
|                               |                       | Paternity         | 15.03.2006     |
|                               |                       | CA                | DC158133       |

### Pedigree

|                             |            |                       |
|-----------------------------|------------|-----------------------|
| <b>Sire</b>                 | <b>PGS</b> | LUKAS                 |
| LAUDAN-ET                   |            | DE001012104370        |
| DE000578448776              | <b>PGD</b> | BRISANZ 1             |
|                             |            | DE000576302497        |
| <b>Dam</b>                  | <b>MGS</b> | COMESTAR OUTSIDE-ET   |
| REGAN-ENGLAND DELLA 3134-ET |            | CA000006026421        |
| US000061029762              | <b>MGD</b> | REGANCREST-BDE DREAMS |
|                             |            | US000125492162        |

|                             |            |           |    |            |          |              |           |              |            |
|-----------------------------|------------|-----------|----|------------|----------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 527      | Rel.         | 98 %      | <b>SPI</b>   | 2447       |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat          | %         | Prot.        | %          |
| <b>9829</b>                 |            |           |    | <b>711</b> | <b>8</b> | <b>-0,33</b> | <b>19</b> | <b>-0,06</b> | <b>SCS</b> |
|                             |            |           |    |            |          |              |           |              | rank       |
|                             |            |           |    |            |          |              |           |              | 67.        |
|                             |            |           |    |            |          |              |           |              | rank       |
|                             |            |           |    |            |          |              |           |              | 8.         |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 4 | Daug. | 37 | 80,8 | Rel. | 72 % | <b>TYPE</b> | 0,24 |
|                  |             |       |        |       |    |      |      |      | rank        | 387. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,71 |    |    |   |    |    |
| Rump Angle            | -0,59 |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,23  |    |    |   |    |    |
| Front Teat Placement  | 0,83  |    |    |   |    |    |
| Teat Length           | -1,24 |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | 0,11  |    |    |   |    |    |
| Udder Depth           | 1,13  |    |    |   |    |    |
| Rump Width            | -0,13 |    |    |   |    |    |
| Rear Legs Rear View   | 0,44  |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | 0,34  |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,8 | <b>Frame</b>           | <b>0,13</b>  |
| 81,0 | <b>Dairy Strength</b>  | <b>-0,06</b> |
| 82,8 | <b>Feet &amp; Legs</b> | <b>0,46</b>  |
| 78,4 | <b>Udder</b>           | <b>0,01</b>  |
|      | <b>SHI</b>             | <b>83,5</b>  |
|      | rank                   | 119.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>BRUMBY-ET</b>  | <b>DE000579794200</b>             | <b>20.05.2003</b> | <b>JAT-006</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 29.12.2003     |
|                   |                                   | DEU               | 03/46418       |

### Pedigree

|                             |            |                          |
|-----------------------------|------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b> | DELTA CLEITUS JABOT      |
| MARPAR JABOT BETTY BRUCE-ET |            | NL000316419721           |
| US000002291017              | <b>PGD</b> | FUSTEAD PRELUDE BETTY-ET |
|                             |            | US000015152400           |
| <b>Dam</b>                  | <b>MGS</b> | HOL-STIENS BE DENNIS     |
| HHG BERRY                   |            | NL000792920438           |
| DE000578454129              | <b>MGD</b> | BERENICE                 |
|                             |            | DE000576498179           |

|                             |            |           |           |           |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.     | <b>65</b> | Rel.      | <b>90 %</b>  | <b>SPI</b> | <b>-358</b> |
| Number controls             |            | <b>BV</b> |           | Milk      |           | Fat       | %            | rank       | 498.        |
| <b>1259</b>                 |            |           |           | <b>-7</b> |           | <b>-5</b> | <b>-0,10</b> | <b>SCS</b> | <b>3,35</b> |
|                             |            |           |           |           |           | <b>-3</b> | <b>-0,08</b> | rank       | 976.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 8</b> | Daug. | <b>19</b> | 78,8 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>0,24</b> |
|                  |             |       |               |       |           |      |      | rank        | 388.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | 0,35  |    |    |   |    |    |
| Rump Angle            | 0,56  |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | 0,65  |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | 0,48  |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | 0,31  |    |    |   |    |    |
| Rear Legs Rear View   | 0,12  |    |    |   |    |    |
| Rear Teat Placement   | -0,29 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

82,6 **Frame** **1,02**

79,7 **Dairy Strength** **1,14**

77,5 **Feet & Legs** **-0,58**

77,3 **Udder** **-0,10**

**SHI** **-1,1**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>CONANT-ACRES VALIANT JONAH</b> | <b>US000001994856</b> | <b>20.07.1985</b> | <b>VAL-013</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 16.06.1986 |
|                   |                                   | USA          | IG 83957B  |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF  |
| S-W-D VALIANT               |            | US000001427381             |
| US000001650414              | <b>PGD</b> | ALLIED ADMIRAL ROSE VIVIAN |
|                             |            | US000006781299             |
| <b>Dam</b>                  | <b>MGS</b> | SWEET-HAVEN TRADITION      |
| CONANT-ACRES TRADITION JOAN |            | US000001682485             |
| US000001164816              | <b>MGD</b> | MAC-NOBLE MONITOR JUNE     |
|                             |            | US000009408092             |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.       | <b>655</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2557</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 990.         |
| <b>12890</b>                |            |           |           | <b>-630</b> |            | <b>-21</b> | <b>0,05</b> | <b>SCS</b> | <b>3,19</b>  |
|                             |            |           |           |             |            |            |             | rank       | 784.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>30</b> | 76,8 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>0,24</b> |
|                  |             |       |               |       |           |      |      | rank        | 389.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,16  |    |    |   |    |    |
| Angularity            | -0,67 |    |    |   |    |    |
| Chest Width           | 0,73  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | 0,09  |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | -0,11 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | -0,24 |    |    |   |    |    |
| Rear Udder Width      | -0,30 |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | 1,15  |    |    |   |    |    |
| Rump Width            | 0,66  |    |    |   |    |    |
| Rear Legs Rear View   | 0,53  |    |    |   |    |    |
| Rear Teat Placement   | -0,31 |    |    |   |    |    |
| Locomotion            | -0,58 |    |    |   |    |    |
| Body Condition        | -0,36 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,6 | <b>Frame</b> | <b>1,83</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 73,3 | <b>Dairy Strength</b> | <b>-0,84</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,2 | <b>Feet &amp; Legs</b> | <b>0,89</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 75,3 | <b>Udder</b> | <b>-0,86</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-67,4</b> |
|--|------------|--------------|

rank 544.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>MEDZICILIZIE JUROR MATIS</b> | <b>SK000000017853</b> | <b>03.05.1997</b> | <b>JUX-001</b> |
| Country of origin <b>SK</b>     |                       | <b>Breed</b>      | H100           |
| Distributor                     |                       | Herdbook          | HA             |
|                                 |                       | Paternity         |                |

### Pedigree

|                |            |                              |         |
|----------------|------------|------------------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | TO-MAR BLACKSTAR-ET          |         |
| KED JUROR-ET   |            | US000001929410               | CHR-002 |
| US000002124357 | <b>PGD</b> | KED MARK JUSTINE             |         |
| BS-017         |            | US000012750091               |         |
| <b>Dam</b>     | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |         |
|                |            | US000002071864               | CLE-005 |
| SK000046803823 | <b>MGD</b> | GREEN-VALE SECRET LORNA-ET   |         |
|                |            | US000013589093               |         |

|                             |            |           |    |            |            |              |           |              |            |
|-----------------------------|------------|-----------|----|------------|------------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 451        | Rel.         | 98 %      | <b>SPI</b>   | -779       |
| Number controls             |            | <b>BV</b> |    | Milk       |            | Fat          | %         | Prot.        | %          |
| <b>8243</b>                 |            |           |    | <b>-10</b> | <b>-11</b> | <b>-0,21</b> | <b>-7</b> | <b>-0,16</b> | <b>SCS</b> |
|                             |            |           |    |            |            |              |           |              | rank       |
|                             |            |           |    |            |            |              |           |              | 593.       |
|                             |            |           |    |            |            |              |           |              | rank       |
|                             |            |           |    |            |            |              |           |              | 282.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 11 | Daug. | 32 | 77,5 | Rel. | 73 % | <b>TYPE</b> | 0,24 |
|                  |             |       |         |       |    |      |      |      | rank        | 390. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,32  |    |    |   |    |    |
| Angularity            | -0,75 |    |    |   |    |    |
| Chest Width           | 0,74  |    |    |   |    |    |
| Body Depth            | 0,57  |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,13 |    |    |   |    |    |
| Foot Angle            | 0,47  |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | 0,61  |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,51 |    |    |   |    |    |
| Udder Depth           | 0,53  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,29  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,6 | <b>Frame</b> | <b>0,93</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 74,1 | <b>Dairy Strength</b> | <b>-1,03</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,31</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 77,0 | <b>Udder</b> | <b>-0,25</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-13,8</b> |
|--|------------|--------------|

rank 405.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>WINNY-ET</b>   | <b>NL000223717626</b>             | <b>09.01.1999</b> | <b>WIT-003</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 06.05.1999     |
|                   |                                   | NLD               | 41708          |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR            |
| LADYS-MANOR WINCHESTER-ET |            | CA000000383622                |
| US000002205082            | <b>PGD</b> | LADYS-MANOR TOP GUN JEMINI-ET |
|                           |            | US000013586096                |
| <b>Dam</b>                | <b>MGS</b> | DELTA CLEITUS JABOT           |
| JETL MABOT                |            | NL000316419721                |
| FR008594024403            | <b>MGD</b> | JELTE MASC                    |
|                           |            | FR005392024414                |

|                             |            |           |    |           |     |           |              |            |             |
|-----------------------------|------------|-----------|----|-----------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.     | 201 | Rel.      | 96 %         | <b>SPI</b> | 152         |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat       | %            | rank       | 398.        |
| <b>4162</b>                 |            |           |    | <b>48</b> |     | <b>-2</b> | <b>-0,09</b> | <b>2</b>   | <b>0,01</b> |
|                             |            |           |    |           |     |           |              | <b>SCS</b> | <b>3,35</b> |
|                             |            |           |    |           |     |           |              | rank       | 978.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 34 | 79,1 | Rel. | 73 % | <b>TYPE</b> | 0,24 |
|                  |             |       |        |       |    |      |      | rank | 391.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,30 |    |    | ■ |    |    |
| Angularity            | 0,17  |    |    | ■ |    |    |
| Chest Width           | -0,59 | ■  | ■  |   |    |    |
| Body Depth            | -0,26 |    |    | ■ |    |    |
| Rump Angle            | 0,51  |    |    |   | ■  | ■  |
| Rear Legs Side View   | 0,22  |    |    | ■ |    |    |
| Foot Angle            | 0,09  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,29 |    |    | ■ |    |    |
| Teat Length           | 0,32  |    |    |   | ■  | ■  |
| Rear Udder Height     | 0,38  |    |    |   | ■  | ■  |
| Rear Udder Width      | 0,39  |    |    |   | ■  | ■  |
| Central Ligament      | -0,14 |    |    | ■ |    |    |
| Udder Depth           | -0,87 | ■  | ■  |   |    |    |
| Rump Width            | 0,11  |    |    |   | ■  |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,35  |    |    |   | ■  | ■  |
| Body Condition        | -0,27 |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>-0,57</b> |
| 79,1 | <b>Dairy Strength</b>  | <b>0,38</b>  |
| 79,5 | <b>Feet &amp; Legs</b> | <b>0,64</b>  |
| 77,9 | <b>Udder</b>           | <b>0,51</b>  |
|      | <b>SHI</b>             | <b>14,1</b>  |
|      | rank                   | 315.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>VALHALLA MARKED DESIGN-ET</b> | <b>US000002011399</b> | <b>13.04.1986</b> | <b>WLK-017</b> |
| Country of origin                | US                    | <b>Breed</b>      | H100           |
| Distributor                      |                       | Herdbook          | HA             |
|                                  |                       | Paternity         | 11.08.1986     |
|                                  |                       | USA               | IG 85877E      |

### Pedigree

|                          |            |                              |
|--------------------------|------------|------------------------------|
| <b>Sire</b>              | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF    |
| WALKWAY CHIEF MARK       |            | US000001427381               |
| US000001773417           | <b>PGD</b> | WALKWAY MATT MAMIE           |
|                          |            | US000008309147               |
| <b>Dam</b>               | <b>MGS</b> | STRAIGHT-PINE ELEVATION PETE |
| ANDYACRES EL PETE DAPHNE |            | US000001635843               |
| US000010162309           | <b>MGD</b> | ANDYACRES GAY IDEAL,DIMPLE   |
|                          |            | US000008856135               |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>74</b> | Daug.       | <b>554</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-2032</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %            |
| <b>12761</b>                |            |           |           | <b>-559</b> |            | <b>-6</b> | <b>0,31</b> | <b>-17</b> | <b>0,00</b>  |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,66</b>  |
|                             |            |           |           |             |            |           |             | rank       | 156.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 12</b> | Daug. | <b>28</b> | 75,8 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>0,23</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 392.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | -0,60 |    |    |   |    |    |
| Chest Width           | 1,01  |    |    |   |    |    |
| Body Depth            | 0,55  |    |    |   |    |    |
| Rump Angle            | -0,00 |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,08  |    |    |   |    |    |
| Front Teat Placement  | -0,31 |    |    |   |    |    |
| Teat Length           | 0,75  |    |    |   |    |    |
| Rear Udder Height     | -0,31 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | 0,36  |    |    |   |    |    |
| Udder Depth           | 0,14  |    |    |   |    |    |
| Rump Width            | -0,54 |    |    |   |    |    |
| Rear Legs Rear View   | -0,40 |    |    |   |    |    |
| Rear Teat Placement   | 0,37  |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | 0,47  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 76,0 | <b>Frame</b> | <b>0,05</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 73,2 | <b>Dairy Strength</b> | <b>-0,08</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 75,9 | <b>Feet &amp; Legs</b> | <b>0,18</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,9 | <b>Udder</b> | <b>0,35</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-51,9</b> |
|--|------------|--------------|

rank 507.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                            |                   |                       |
|----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                 | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>KINGS-RANSOM T DOMINGO-ET</b> | <b>US000061488588</b>      | <b>20.09.2003</b> | <b>RUH-016</b>        |

|                          |                                   |                  |              |
|--------------------------|-----------------------------------|------------------|--------------|
| <b>Country of origin</b> | US                                | <b>Breed</b>     | H100         |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA           |
|                          |                                   | <b>Paternity</b> | 06.07.2004   |
|                          |                                   | <b>US</b>        | IMMGN 19697A |

### Pedigree

|                             |            |                          |
|-----------------------------|------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b> | STARTMORE RUDOLPH-ET     |
| DE-MATT RUDOLPH TEAMSTER-ET |            | CA000005470579           |
| US000017367125              | <b>PGD</b> | ECHO-L MASCOT TAMI-ET    |
|                             |            | US000015130870           |
| <b>Dam</b>                  | <b>MGS</b> | CAROL PRELUDE MTOTO-ET   |
| PEN-COL MTOTO DIMA-ET       |            | IT006001001962           |
| US000060082221              | <b>MGD</b> | PEN-COL COMMOTION DEANNA |
|                             |            | US000015880851           |

|                             |            |              |           |              |             |             |              |             |             |
|-----------------------------|------------|--------------|-----------|--------------|-------------|-------------|--------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>18</b> | <b>Daug.</b> | <b>1139</b> | <b>Rel.</b> | <b>99 %</b>  | <b>SPI</b>  | <b>2173</b> |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |             | <b>Fat</b>  |              | <b>rank</b> | 81.         |
| <b>18412</b>                |            |              |           | <b>674</b>   |             | <b>17</b>   | <b>-0,16</b> | <b>SCS</b>  | <b>2,03</b> |
|                             |            |              |           |              |             | <b>12</b>   | <b>-0,18</b> | <b>rank</b> | 6.          |

|                  |             |              |               |              |            |             |             |             |             |             |
|------------------|-------------|--------------|---------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>25 / 6</b> | <b>Daug.</b> | <b>159</b> | <b>80,9</b> | <b>Rel.</b> | <b>91 %</b> | <b>TYPE</b> | <b>0,23</b> |
|                  |             |              |               |              |            |             |             | <b>rank</b> | 393.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | -0,06 |    |    |   |    |    |
| Chest Width           | -0,47 |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | -0,95 |    |    |   |    |    |
| Rear Legs Side View   | 0,42  |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | 0,94  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | -0,84 |    |    |   |    |    |
| Rear Udder Height     | 0,65  |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | 1,03  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,10  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,3 | <b>Frame</b>           | <b>-0,17</b> |
| 80,5 | <b>Dairy Strength</b>  | <b>-0,70</b> |
| 81,4 | <b>Feet &amp; Legs</b> | <b>-0,99</b> |
| 79,7 | <b>Udder</b>           | <b>1,40</b>  |
|      | <b>SHI</b>             | <b>74,9</b>  |
|      | <b>rank</b>            | 137.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>BRAEDALE ADVANTAGE-ET</b> | <b>CA000005853023</b> | <b>03.06.1993</b> | <b>ATE-005</b> |
| Country of origin            | CA                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 30.08.1993     |
|                              |                       | CAN               | 308909         |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | HANOVERHILL STARBUCK        |
| DUREGAL ASTRE STARBUCK ET |            | CA000000352790              |
| CA000000392405            | <b>PGD</b> | DUREGAL RIVALITY VALIANT-ET |
| STB-015                   |            | CA000003637287              |
| <b>Dam</b>                | <b>MGS</b> | WALKWAY CHIEF MARK          |
| SUNNYLODGE CHIEF VICK-ET  |            | US000001773417              |
| CA000004466411            | <b>MGD</b> | SUNNYLODGE ELEVATION JAN    |
|                           |            | CA000003775829              |

|                             |            |           |           |            |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>19</b> | Daug.      | <b>230</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-1639</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat        | %            | rank       | 796.         |
| <b>4700</b>                 |            |           |           | <b>-56</b> |            | <b>-22</b> | <b>-0,40</b> | <b>SCS</b> | <b>2,71</b>  |
|                             |            |           |           |            |            | <b>-15</b> | <b>-0,30</b> | rank       | 188.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>60</b> | 78,7 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>0,23</b> |
|                  |             |       |               |       |           |      |      | rank        | 394.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,17  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | -0,55 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,19  |    |    |   |    |    |
| Teat Length           | 0,26  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | -0,05 |    |    |   |    |    |
| Central Ligament      | 0,32  |    |    |   |    |    |
| Udder Depth           | 0,53  |    |    |   |    |    |
| Rump Width            | 0,33  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,98  |    |    |   |    |    |
| Locomotion            | -0,39 |    |    |   |    |    |
| Body Condition        | 0,12  |    |    |   |    |    |

daught. average

81,8 **Frame** **0,47**

78,1 **Dairy Strength** **0,18**

78,0 **Feet & Legs** **-0,84**

77,6 **Udder** **0,39**

**SHI** **-40,3**

rank 482.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>ALTERVALE COMMERCE-ET</b> | <b>CA000008264964</b> | <b>30.05.2001</b> | <b>ELN-021</b> |
| Country of origin            | CA                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 04.09.2001     |
|                              |                       | CA                | DC53398        |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | EMPRISE BELL ELTON          |
| RICECREST EMERSON-ET   |            | US000001912270              |
| US000002271271         | <b>PGD</b> | WA-DEL RC BLCKSTR MARTHA-ET |
|                        |            | US000013907649              |
| <b>Dam</b>             | <b>MGS</b> | COMESTAR LEADER-ET          |
| ALTERVALE LEADER HAPPY |            | CA000005319769              |
| CA000006733736         | <b>MGD</b> | ALTERVALE BROKER HAPPY      |
|                        |            | CA000005985409              |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 766 | Rel. | 99 % | <b>SPI</b> | 343         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>14981</b>                |            |           |    | -12   | 12  | 0,23 | 0    | 0,01       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 358.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 643.        |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 26 / 9 | Daug. | 142 | 79,6 | Rel. | 91 % | <b>TYPE</b> | 0,23 |
|                  |             |       |        |       |     |      |      |      | rank        | 395. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,37  |    |    |   |    |    |
| Angularity            | 0,26  |    |    |   |    |    |
| Chest Width           | -0,13 |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | 0,25  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | 0,02  |    |    |   |    |    |
| Udder Depth           | 0,48  |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | -1,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | -0,72 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

83,4 **Frame** 0,54

80,9 **Dairy Strength** 0,67

78,9 **Feet & Legs** -1,73

77,5 **Udder** 0,54

**SHI** 19,5

rank 295.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>VLARA LEADERSHIP ZVARTAL</b> | <b>SK000061255861</b>             | <b>19.12.1995</b> | <b>LEP-002</b> |
| Country of origin               | SK                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | ...            |

### Pedigree

|                    |            |                          |
|--------------------|------------|--------------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVER-HILL INSPIRATION |
| HALDREY LEADERSHIP |            | CA000000363162           |
| CA000000397763     | <b>PGD</b> | IS-003                   |
|                    |            | HALDREY SHEIK NANCY      |
|                    |            | CA0000003514340          |
| <b>Dam</b>         | <b>MGS</b> | DELTA ROYAL HAMER        |
| ZWARTJE 407        |            | NL000315257043           |
| SK000030106811     | <b>MGD</b> | ZWARTJE 403              |
|                    |            | NL000159208900           |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>58</b> | Rel.       | <b>89 %</b>  | <b>SPI</b> | <b>-2396</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 954.         |
| <b>1209</b>                 |            |           |           | <b>-552</b> |           | <b>-11</b> | <b>0,21</b>  | <b>SCS</b> | <b>3,32</b>  |
|                             |            |           |           |             |           | <b>-21</b> | <b>-0,10</b> | rank       | 945.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>10</b> | 77,7 | Rel. | <b>48 %</b> | <b>TYPE</b> | <b>0,23</b> |
|                  |             |       |              |       |           |      |      | rank        | 396.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,14 |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | 0,10  |    |    |   |    |    |
| Rear Legs Side View   | -0,44 |    |    |   |    |    |
| Foot Angle            | 0,54  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | -0,73 |    |    |   |    |    |
| Rear Udder Height     | 0,18  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,50  |    |    |   |    |    |
| Udder Depth           | 0,16  |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | -0,21 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,7 | <b>Frame</b>           | <b>-0,46</b> |
| 77,6 | <b>Dairy Strength</b>  | <b>1,02</b>  |
| 78,8 | <b>Feet &amp; Legs</b> | <b>0,54</b>  |
| 77,0 | <b>Udder</b>           | <b>-0,22</b> |
|      | <b>SHI</b>             | <b>-63,1</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ONORA</b>      | <b>FR005925358190</b>             | <b>28.04.1998</b> | <b>RUH-003</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                      |            |                             |
|----------------------|------------|-----------------------------|
| <b>Sire</b>          | <b>PGS</b> | MADAWASKA AEROSTAR          |
| STARTMORE RUDOLPH-ET |            | CA000000383622              |
| CA000005470579       |            | STB-011                     |
| ARS-015              | <b>PGD</b> | STARTMORE RACHELLE-ET       |
|                      |            | CA000004324253              |
| <b>Dam</b>           | <b>MGS</b> | HIGHLIGHT MR MARK CINDER-ET |
| ERNLO CINDERELLA     |            | US000002014517              |
| US000015190188       | <b>MGD</b> | BIRCHMONT DOE AEROSTAR-ET   |
|                      |            | US000014548121              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>39</b> | Daug.      | <b>113</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>1286</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 191.        |
| <b>2268</b>                 |            |           |           | <b>464</b> |            | <b>14</b> | <b>-0,08</b> | <b>SCS</b> | <b>2,89</b> |
|                             |            |           |           |            |            | <b>4</b>  | <b>-0,21</b> | rank       | 386.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 14</b> | Daug. | <b>33</b> | 77,7 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>0,23</b> |
|                  |             |       |                |       |           |      |      | rank        | 397.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | 0,29  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,27  |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | -0,36 |    |    |   |    |    |
| Foot Angle            | -0,71 |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | -0,44 |    |    |   |    |    |
| Rear Udder Height     | 0,38  |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | -0,65 |    |    |   |    |    |
| Udder Depth           | -0,74 |    |    |   |    |    |
| Rump Width            | 0,52  |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>0,93</b>  |
| 77,1 | <b>Dairy Strength</b>  | <b>0,92</b>  |
| 77,0 | <b>Feet &amp; Legs</b> | <b>-1,37</b> |
| 76,5 | <b>Udder</b>           | <b>0,24</b>  |
|      | <b>SHI</b>             | <b>47,9</b>  |
|      | rank                   | 210.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MAYERLANE VISTA-ET</b> | <b>US000002159770</b>      | <b>01.01.1991</b> | <b>LAD-006</b>        |
| Country of origin         | US                         | <b>Breed</b>      | H100                  |
| Distributor               | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                           |                            | Paternity         | 28.02.1992            |
|                           |                            | CAN               | 268154                |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN |            | US000001682485          |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                    |            | US000010930744          |
| <b>Dam</b>                 | <b>MGS</b> | WALKWAY CHIEF MARK      |
| MAYERLANE VELMAS VELVET-ET |            | US000001773417          |
| US000013666170             | <b>MGD</b> | MIL-R-MOR VALIANT VELMA |
|                            |            | US000012154364          |

|                             |            |           |           |            |             |           |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>90</b> | Daug.      | <b>1275</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>937</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %           | Prot.      | %            |
| <b>23950</b>                |            |           |           | <b>255</b> |             | <b>12</b> | <b>0,02</b> | <b>4</b>   | <b>-0,08</b> |
|                             |            |           |           |            |             |           |             | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |            |             |           |             | rank       | 258.         |
|                             |            |           |           |            |             |           |             | rank       | 615.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 13</b> | Daug. | <b>119</b> | 76,7 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,22</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 398.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,69  |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | -1,01 |    |    |   |    |    |
| Front Teat Placement  | -1,35 |    |    |   |    |    |
| Teat Length           | 0,66  |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | 0,82  |    |    |   |    |    |
| Udder Depth           | -0,46 |    |    |   |    |    |
| Rump Width            | 1,04  |    |    |   |    |    |
| Rear Legs Rear View   | 0,15  |    |    |   |    |    |
| Rear Teat Placement   | 0,60  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 78,6 | <b>Frame</b> | <b>0,02</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,2 | <b>Dairy Strength</b> | <b>1,91</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,4 | <b>Feet &amp; Legs</b> | <b>0,58</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 75,6 | <b>Udder</b> | <b>-0,58</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>37,1</b> |
|--|------------|-------------|

rank 243.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>PENANG-ET</b>  | <b>DE001021314240</b> | <b>18.07.1993</b> | <b>PEL-014</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 06.07.1999     |
|                   |                       | DEU               | 99/9253        |

### Pedigree

|                       |            |                            |
|-----------------------|------------|----------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET |            | CA000000352790             |
| CA000000392457        | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016               |            | US000009739109             |
| <b>Dam</b>            | <b>MGS</b> | HANOVER-HILL INSPIRATION   |
| MIRA                  |            | CA000000363162             |
| DE001020686442        | <b>MGD</b> | MIRNA                      |
|                       |            | DE001020162872             |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>339</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>170</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 393.        |
| <b>7471</b>                 |            |           |           | <b>-138</b> |            | <b>18</b> | <b>0,44</b> | <b>SCS</b> | <b>3,37</b> |
|                             |            |           |           |             |            | <b>-2</b> | <b>0,05</b> | rank       | 1000.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>53</b> | 77,9 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>0,22</b> |
|                  |             |       |              |       |           |      |      | rank        | 399.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,15  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 0,62  |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | 0,58  |    |    |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | -0,85 |    |    |   |    |    |
| Front Teat Placement  | -0,71 |    |    |   |    |    |
| Teat Length           | -0,17 |    |    |   |    |    |
| Rear Udder Height     | -0,59 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | 0,04  |    |    |   |    |    |
| Udder Depth           | -0,73 |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | 0,64  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,6 | <b>Frame</b>           | <b>1,68</b>  |
| 76,6 | <b>Dairy Strength</b>  | <b>0,55</b>  |
| 79,9 | <b>Feet &amp; Legs</b> | <b>0,60</b>  |
| 75,7 | <b>Udder</b>           | <b>-1,22</b> |
|      | <b>SHI</b>             | <b>13,9</b>  |
|      | rank                   | 317.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                      |                   |                |
|------------------|----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number  | Birth date        | State Register |
| <b>TROMPETE</b>  | <b>DE00000563403</b> | <b>28.06.1998</b> | <b>TOD-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 12.08.1999 |
|                   |                                   | DEU          | 99/1026    |

### Pedigree

|                        |            |                           |         |
|------------------------|------------|---------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | SOUTHWIND BELL OF BAR-LEE |         |
| HOLIM STANS TORNEDO-ET |            | US000001964484            | BEL-001 |
| NL000785532529         | <b>PGD</b> | HOLIM HEIDI ET            |         |
|                        |            | NL000706052396            |         |
| <b>Dam</b>             | <b>MGS</b> | TO-MAR HORTON-ET          |         |
| TAIFUN 96              |            | US000002007299            | VAO-003 |
| DE000108443020         | <b>MGD</b> | RIVER 11                  |         |
|                        |            | DE000107994753            |         |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 49 | Daug. | 100 | Rel. | 93 % | <b>SPI</b> | -342        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>1652</b>                 |            |           |    | -57   | 0   | 0,04 | -4   | -0,06      | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 492.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 975.        |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 14 | Daug. | 31 | 77,3 | Rel. | 69 % | <b>TYPE</b> | 0,22 |
|                  |             |       |         |       |    |      |      |      | rank        | 400. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,08 |    |    |   |    |    |
| Angularity            | -0,39 |    |    |   |    |    |
| Chest Width           | 1,52  |    |    |   |    |    |
| Body Depth            | 1,41  |    |    |   |    |    |
| Rump Angle            | -1,86 |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | -0,25 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | -0,61 |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | -0,20 |    |    |   |    |    |
| Udder Depth           | -1,25 |    |    |   |    |    |
| Rump Width            | 0,28  |    |    |   |    |    |
| Rear Legs Rear View   | 0,28  |    |    |   |    |    |
| Rear Teat Placement   | -0,15 |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>0,69</b>  |
| 77,3 | <b>Dairy Strength</b>  | <b>0,92</b>  |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-0,03</b> |
| 75,5 | <b>Udder</b>           | <b>-0,72</b> |
|      | <b>SHI</b>             | <b>-1,6</b>  |
|      | rank                   | 371.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FLANIS-ET</b>  | <b>DE00000914284</b>              | <b>07.01.1998</b> | <b>FLN-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 06.02.1998     |
|                   |                                   | DEU               | 98/2322        |

### Pedigree

|                           |            |                |
|---------------------------|------------|----------------|
| <b>Sire</b>               | <b>PGS</b> | KINGLEA LEADER |
| MOSSYS ELM PARK FLANO RED |            | US000001926780 |
| US000002153299            | <b>PGD</b> | FANTASY        |
|                           |            | US000010970947 |
| <b>Dam</b>                | <b>MGS</b> | FUNCTIONAL     |
| MELANIE                   |            | US000018166499 |
| DE000576469076            | <b>MGD</b> | MELITTA        |
|                           |            | DE000506016235 |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.       | <b>135</b> | Rel.        | <b>95 %</b> | <b>SPI</b> | <b>-2337</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank       | 942.         |
| <b>2960</b>                 |            |           |           | <b>-630</b> | <b>-16</b> | <b>0,15</b> | <b>-16</b>  | <b>SCS</b> | <b>2,72</b>  |
|                             |            |           |           |             |            |             |             | rank       | 200.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>16</b> | 76,8 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>0,21</b> |
|                  |             |       |              |       |           |      |      | rank        | 401.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,85 |    |    |   |    |    |
| Angularity            | -0,47 |    |    |   |    |    |
| Chest Width           | 1,11  |    |    |   |    |    |
| Body Depth            | 0,62  |    |    |   |    |    |
| Rump Angle            | -0,79 |    |    |   |    |    |
| Rear Legs Side View   | -0,18 |    |    |   |    |    |
| Foot Angle            | 0,00  |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | -0,26 |    |    |   |    |    |
| Rear Udder Height     | -0,67 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | -0,18 |    |    |   |    |    |
| Rear Legs Rear View   | 0,49  |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,59  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,5 | <b>Frame</b>           | <b>-0,38</b> |
| 75,5 | <b>Dairy Strength</b>  | <b>0,16</b>  |
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,55</b>  |
| 76,1 | <b>Udder</b>           | <b>0,39</b>  |
|      | <b>SHI</b>             | <b>-61,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>MANAT-ET</b>  | <b>DE002261530135</b> | <b>27.08.1995</b> | <b>MNL-004</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.05.1996 |
|                   |                | DEU          | 13633539   |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US000012593031              |
| <b>Dam</b>               | <b>MGS</b> | LUTZ-BROOKVIEW BELL REX-ET  |
| IMPERIAL SPLENDORS STYLE |            | US000001875896              |
| US000013633539           | <b>MGD</b> | I.SPLENDOR                  |
|                          |            | US000012974607              |

|                             |            |           |            |           |             |          |              |            |             |
|-----------------------------|------------|-----------|------------|-----------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>110</b> | Daug.     | <b>1177</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>553</b>  |
| Number controls             |            | <b>BV</b> |            | Milk      |             | Fat      |              | rank       | 322.        |
| <b>22564</b>                |            |           |            | <b>90</b> |             | <b>9</b> | <b>0,08</b>  | <b>SCS</b> | <b>3,64</b> |
|                             |            |           |            |           |             | <b>3</b> | <b>-0,00</b> | rank       | 1174.       |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>114 / 42</b> | Daug. | <b>535</b> | 78,5 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,21</b> |
|                  |             |       |                 |       |            |      |      | rank        | 402.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,07 |    |    |   |    |    |
| Angularity            | 0,64  |    |    |   |    |    |
| Chest Width           | -0,75 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | -0,68 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,45  |    |    |   |    |    |
| Front Teat Placement  | -0,36 |    |    |   |    |    |
| Teat Length           | -1,27 |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | -0,10 |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | 0,25  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,64 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,7 | <b>Frame</b> | <b>-0,48</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,1 | <b>Dairy Strength</b> | <b>0,59</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,9 | <b>Feet &amp; Legs</b> | <b>1,25</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,9 | <b>Udder</b> | <b>0,05</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>24,9</b> |
|--|------------|-------------|

rank 268.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>HUN PERO REJTO BELLWOOD-ET</b> | <b>HU003023005865</b> | <b>22.01.1997</b> | <b>BW-018</b>  |
| Country of origin                 | HU                    | <b>Breed</b>      | H100           |
| Distributor                       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                   |                       | Paternity         | 02.07.1997     |
|                                   |                       | HUN               | 14804          |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| MAIZEFIELD BELLWOOD-ET    |            | US000001879149             |
| US000002103297            | <b>PGD</b> | BREN-WAY BELL BETSY        |
| MEW-004                   |            | US000012052401             |
| <b>Dam</b>                | <b>MGS</b> | HIGHLIGHT CONVERSE-ET      |
| WINDREST CONVERSE MAXI-ET |            | US000002065871             |
| US000015298875            | <b>MGD</b> | EASTVIEW IMAGE MATTIE G-ET |
|                           |            | US000013991469             |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>39</b> | Daug.      | <b>1107</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>1456</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |             | rank       | 161.        |
| <b>23971</b>                |            |           |           | <b>316</b> |             | <b>13</b> | <b>0,01</b> | <b>SCS</b> | <b>3,05</b> |
|                             |            |           |           |            |             | <b>10</b> | <b>0,00</b> | rank       | 596.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 4</b> | Daug. | <b>75</b> | 78,7 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>0,20</b> |
|                  |             |       |               |       |           |      |      | rank        | 403.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,47 |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | 0,32  |    |    |   |    |    |
| Rump Angle            | -0,39 |    |    |   |    |    |
| Rear Legs Side View   | -0,01 |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | 0,08  |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,32 |    |    |   |    |    |
| Rear Udder Width      | 0,18  |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | -0,95 |    |    |   |    |    |
| Rump Width            | 1,11  |    |    |   |    |    |
| Rear Legs Rear View   | -0,45 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Frame</b>           | <b>-0,13</b> |
| 79,0 | <b>Dairy Strength</b>  | <b>0,44</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>-0,06</b> |
| 77,1 | <b>Udder</b>           | <b>0,11</b>  |
|      | <b>SHI</b>             | <b>52,1</b>  |
|      | rank                   | 196.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TOCAR</b>      | <b>NL000243381922</b>             | <b>08.02.2001</b> | <b>ORK-003</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.08.2006     |
|                   |                                   | DE                | 06/39299       |

### Pedigree

|                  |            |                      |
|------------------|------------|----------------------|
| <b>Sire</b>      | <b>PGS</b> | CLARA S ORKAN RED    |
| TOPINDEX REDFORD |            | NL000283076619       |
| NL000141539359   | <b>PGD</b> | TOPINDEX             |
|                  |            | NL000858984817       |
| <b>Dam</b>       | <b>MGS</b> | FRANKENHOF LUCKY LEO |
| MASSIA 8533      |            | NL000777133097       |
| NL000244385336   | <b>MGD</b> | MASSIA 13            |
|                  |            | NL000863859227       |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.      | <b>238</b> | Rel.      | <b>96 %</b> | <b>SPI</b> | <b>3922</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %           |
| <b>4850</b>                 |            |           |           | <b>525</b> |            | <b>43</b> | <b>0,38</b> | <b>31</b>  | <b>0,30</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>3,21</b> |
|                             |            |           |           |            |            |           |             | rank       | 17.         |
|                             |            |           |           |            |            |           |             | rank       | 802.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 5</b> | Daug. | <b>17</b> | 80,3 | Rel. | <b>54 %</b> | <b>TYPE</b> | <b>0,20</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 404.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,26 |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | -0,73 |    |    |   |    |    |
| Rear Legs Side View   | -0,59 |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | -0,09 |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | 0,66  |    |    |   |    |    |
| Rear Teat Placement   | -0,86 |    |    |   |    |    |
| Locomotion            | 0,39  |    |    |   |    |    |
| Body Condition        | 0,42  |    |    |   |    |    |

daught. average

80,5 **Frame** **-1,49**

82,2 **Dairy Strength** **0,55**

83,1 **Feet & Legs** **0,76**

78,1 **Udder** **0,36**

**SHI** **126,4**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                      |                   |                |
|------------------|----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number  | Birth date        | State Register |
| <b>RELAX</b>     | <b>DE00000397576</b> | <b>28.02.1995</b> | <b>RUT-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 18.05.1995 |
|                   |                                   | DEU          | 95/7633    |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | HANOVERHILL RAIDER-ET |
| RUSTO-ET       |            | CA000000390409        |
| DE001021275360 | <b>PGD</b> | LARA                  |
|                |            | DE001021012732        |
| <b>Dam</b>     | <b>MGS</b> | TO-MAR BLACKSTAR-ET   |
| LOGA           |            | US000001929410        |
| DE001021139776 | <b>MGD</b> | LORE                  |
|                |            | DE001015005762        |

CHR-002

|                             |            |           |            |             |            |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>115</b> | Daug.       | <b>844</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-2208</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |              | rank       | 913.         |
| <b>18105</b>                |            |           |            | <b>-596</b> |            | <b>-7</b>  | <b>0,33</b>  | <b>SCS</b> | <b>2,86</b>  |
|                             |            |           |            |             |            | <b>-19</b> | <b>-0,01</b> | rank       | 349.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 9</b> | Daug. | <b>64</b> | 76,2 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>0,20</b> |
|                  |             |       |               |       |           |      |      | rank        | 405.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,90 |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -0,72 |    |    |   |    |    |
| Body Depth            | -0,36 |    |    |   |    |    |
| Rump Angle            | -0,14 |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,89 |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | 0,86  |    |    |   |    |    |
| Teat Length           | -0,83 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | 1,07  |    |    |   |    |    |
| Rump Width            | -0,77 |    |    |   |    |    |
| Rear Legs Rear View   | 1,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,6 | <b>Frame</b>           | <b>-1,56</b> |
| 76,8 | <b>Dairy Strength</b>  | <b>1,09</b>  |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,54</b> |
| 75,6 | <b>Udder</b>           | <b>1,46</b>  |
|      | <b>SHI</b>             | <b>-58,7</b> |
|      | rank                   | 528.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CANEUF-B</b>   | <b>FR007931261349</b>             | <b>13.03.2007</b> | <b>BES-015</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 27.02.2008     |
|                   |                                   | FR                | F/S 392388     |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | JOCKO BESN     |
| ROTHENEUF      |            | FR005694028588 |
| FR005360661767 | <b>PGD</b> | MILENE         |
|                |            | FR005112757687 |
| <b>Dam</b>     | <b>MGS</b> | LAUDAN-ET      |
| 35 ASANC B     |            | DE000578448776 |
| FR007931261097 | <b>MGD</b> | 854SANSO B     |
|                |            | FR008600000854 |

|                             |            |           |           |            |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>43</b> | Daug.      | <b>259</b> | Rel.     | <b>97 %</b> | <b>SPI</b> | <b>227</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %           | Prot.      | %           |
| <b>5307</b>                 |            |           |           | <b>-38</b> |            | <b>0</b> | <b>0,02</b> | <b>4</b>   | <b>0,11</b> |
|                             |            |           |           |            |            |          |             | rank       | 385.        |
|                             |            |           |           |            |            |          |             | <b>SCS</b> | <b>3,15</b> |
|                             |            |           |           |            |            |          |             | rank       | 728.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>41 / 17</b> | Daug. | <b>131</b> | 79,8 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>0,19</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 406.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -0,46 |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | -0,06 |    |    |   |    |    |
| Teat Length           | 0,10  |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | -0,44 |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | 0,69  |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | -0,06 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>0,20</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,3 | <b>Dairy Strength</b> | <b>0,49</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,7 | <b>Feet &amp; Legs</b> | <b>0,20</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,7 | <b>Udder</b> | <b>-0,19</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>14,6</b> |
|--|------------|-------------|

rank 314.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>ANDERSTUP PLANET FAME</b> | <b>DK003372304505</b>             | <b>10.09.2009</b> | <b>BS-055</b>  |
| Country of origin            | DK                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 09.04.2010     |
|                              |                                   | DK                | 149993         |

### Pedigree

|                          |            |                          |         |
|--------------------------|------------|--------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | ROSE-BAUM TABOO-ET       |         |
| ENSENADA TABOO PLANET-ET |            | US000017121203           |         |
| US000060597003           | <b>PGD</b> | PLUSHANSKI AMEL PATTY-ET |         |
| BS-050                   |            | US000130161039           |         |
| <b>Dam</b>               | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET |         |
| ANDERSTRUP OMAN GISA     |            | US000122358313           | MED-012 |
| DK003372302587           | <b>MGD</b> | GENUA-ET                 |         |
|                          |            | DE001502032378           |         |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.      | <b>2181</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2040</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 99.         |
| <b>32360</b>                |            |           |           | <b>587</b> |             | <b>6</b>  | <b>-0,30</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |            |             | <b>17</b> | <b>-0,04</b> | rank       | 649.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>70 / 25</b> | Daug. | <b>333</b> | 80,8 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>0,19</b> |
|                  |             |       |                |       |            |      |      | rank        | 407.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,18 |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | -0,11 |    |    |   |    |    |
| Rear Legs Side View   | -0,32 |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | 0,75  |    |    |   |    |    |
| Front Teat Placement  | 1,16  |    |    |   |    |    |
| Teat Length           | -1,64 |    |    |   |    |    |
| Rear Udder Height     | 0,24  |    |    |   |    |    |
| Rear Udder Width      | 0,03  |    |    |   |    |    |
| Central Ligament      | -0,40 |    |    |   |    |    |
| Udder Depth           | 0,86  |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,55  |    |    |   |    |    |
| Locomotion            | 0,43  |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,6 | <b>Frame</b>           | <b>-0,47</b> |
| 81,0 | <b>Dairy Strength</b>  | <b>-0,75</b> |
| 82,7 | <b>Feet &amp; Legs</b> | <b>0,49</b>  |
| 78,5 | <b>Udder</b>           | <b>0,91</b>  |
|      | <b>SHI</b>             | <b>69,1</b>  |
|      | rank                   | 151.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>HUN PERO RONA DUSTER-ET</b> | <b>HU003023006471</b> | <b>06.04.1997</b> | <b>BS-045</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | HU             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 29.07.1997 |
|                   |                | HUN          | 14806      |

### Pedigree

|                     |            |                              |         |
|---------------------|------------|------------------------------|---------|
| <b>Sire</b>         | <b>PGS</b> | TO-MAR BLACKSTAR-ET          |         |
| PEN-COL DUSTER-ET   |            | US000001929410               | CHR-002 |
| US000002147486      | <b>PGD</b> | BAYVILLE-HP SECRET DAWN      |         |
|                     |            | US000013454607               |         |
| <b>Dam</b>          | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |         |
| JUNGE LUKE SATIN-ET |            | US000002071864               | CLE-005 |
| US000015528407      | <b>MGD</b> | JUNGE SOUTHWIND SPOT         |         |
|                     |            | US000014425529               |         |

|                             |            |           |   |            |    |           |              |            |             |
|-----------------------------|------------|-----------|---|------------|----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 6 | Daug.      | 44 | Rel.      | 87 %         | <b>SPI</b> | 543         |
| Number controls             |            | <b>BV</b> |   | Milk       |    | Fat       | %            | Prot.      | %           |
| <b>1023</b>                 |            |           |   | <b>156</b> |    | <b>-4</b> | <b>-0,19</b> | <b>7</b>   | <b>0,03</b> |
|                             |            |           |   |            |    |           |              | <b>SCS</b> | 2,59        |
|                             |            |           |   |            |    |           |              | rank       | ...         |
|                             |            |           |   |            |    |           |              | rank       | ...         |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 33 | 78,7 | Rel. | 71 % | <b>TYPE</b> | 0,19 |
|                  |             |       |       |       |    |      |      |      | rank        | 408. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,07 |    |    |   |    |    |
| Angularity            | -0,25 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | -0,91 |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | 1,03  |    |    |   |    |    |
| Teat Length           | 0,17  |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | 0,76  |    |    |   |    |    |
| Udder Depth           | 0,44  |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | 0,59  |    |    |   |    |    |
| Rear Teat Placement   | 0,87  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 79,7 | <b>Frame</b>           | <b>-0,10</b> |
|                 | 77,6 | <b>Dairy Strength</b>  | <b>-0,94</b> |
|                 | 80,3 | <b>Feet &amp; Legs</b> | <b>1,00</b>  |
|                 | 77,9 | <b>Udder</b>           | <b>0,29</b>  |
|                 |      | <b>SHI</b>             | <b>23,8</b>  |
|                 |      | rank                   | 277.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FRANCO GEN</b> | <b>FR007290016200</b>             | <b>29.09.1990</b> | <b>BGN-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 03.07.1996     |
|                   |                                   | FRA               | GS451888       |

### Pedigree

|                                    |            |  |
|------------------------------------|------------|--|
| <b>Sire</b>                        | <b>PGS</b> | CARLIN-M IVANHOE BELL<br>US000001667366          |
| WARDIN BELL GENE<br>US000001887096 | <b>PGD</b> | WARDIN KINGPIN GENIE-ET<br>US000010082004        |
| <b>Dam</b>                         | <b>MGS</b> | ARLINDA ROTATE<br>US000001697572                 |
| BAGUE<br>FR004486040185            | <b>MGD</b> | CONANT-ACRES PENSTAR DAMSEL-ET<br>US000010817244 |

|                             |            |           |           |             |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>58</b> | Rel.      | <b>89 %</b> | <b>SPI</b> | <b>-383</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |             | rank       | 505.        |
| <b>1202</b>                 |            |           |           | <b>-137</b> |           | <b>-3</b> | <b>0,04</b> | <b>SCS</b> | <b>3,90</b> |
|                             |            |           |           |             |           | <b>-2</b> | <b>0,05</b> | rank       | 1231.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>10</b> | 77,9 | Rel. | <b>50 %</b> | <b>TYPE</b> | <b>0,18</b> |
|                  |             |       |              |       |           |      |      | rank        | 409.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,35  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | 0,41  |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | -0,65 |    |    |   |    |    |
| Teat Length           | -0,00 |    |    |   |    |    |
| Rear Udder Height     | 0,35  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,01 |    |    |   |    |    |
| Udder Depth           | -0,14 |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | 0,85  |    |    |   |    |    |
| Rear Teat Placement   | -0,37 |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

80,2 **Frame** **0,47**

74,7 **Dairy Strength** **-0,27**

80,3 **Feet & Legs** **0,38**

77,2 **Udder** **0,01**

**SHI** **-4,2**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>HARDSCRABBLE MOE GOODY-ET</b> | <b>US000060857594</b>             | <b>09.07.2002</b> | <b>MUR-002</b> |
| Country of origin                | US                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 10.04.2003     |
|                                  |                                   | US                | IG011225A      |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| MURANDA MANDEL MOE-ET     |            | US000002119526           |
| US000002286327            | <b>PGD</b> | LAURA-LE TESK MARY-ET    |
|                           |            | US000014814683           |
| <b>Dam</b>                | <b>MGS</b> | FUSTEAD LEADMAN CHARM-ET |
| HARDSCRABBLE CHARM GEM-TW |            | US000002162948           |
| US000121899912            | <b>MGD</b> | HARDSCRABBLE GEMSTONE    |
|                           |            | US000015684701           |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.      | <b>218</b> | Rel.     | <b>96 %</b>  | <b>SPI</b> | <b>1703</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 134.        |
| <b>4165</b>                 |            |           |           | <b>387</b> |            | <b>3</b> | <b>-0,22</b> | <b>17</b>  | <b>0,10</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>2,99</b> |
|                             |            |           |           |            |            |          |              | rank       | 527.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 4</b> | Daug. | <b>26</b> | 80,0 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>0,18</b> |
|                  |             |       |              |       |           |      |      | rank        | 410.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,72 |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,00  |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | -0,53 |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | 0,39  |    |    |   |    |    |
| Rear Udder Width      | 0,59  |    |    |   |    |    |
| Central Ligament      | 0,62  |    |    |   |    |    |
| Udder Depth           | -0,38 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | 0,54  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,9 | <b>Frame</b>           | <b>-0,78</b> |
| 80,9 | <b>Dairy Strength</b>  | <b>0,15</b>  |
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,17</b>  |
| 78,4 | <b>Udder</b>           | <b>0,74</b>  |
|      | <b>SHI</b>             | <b>58,7</b>  |
|      | rank                   | 181.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                                   |                   |                |
|-------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number               | Birth date        | State Register |
| <b>MEDZICILIZIE HUNTER DAREK-ET</b> | <b>SK000062628843</b>             | <b>16.03.1997</b> | <b>HUN-002</b> |
| Country of origin                   | SK                                | <b>Breed</b>      | H100           |
| Distributor                         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                     |                                   | Paternity         | 19.03.1998     |
|                                     |                                   | SVK               | 0232/30        |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ART ACRES BELL PONTIAC-ET    |
| AMELDIN II PONTIAC HUNTER-323 |            | US000001878472               |
| US000002094527                |            | PTC-001                      |
| PTC-010                       | <b>PGD</b> | FAIR-HILL ROTATE HONEY-ET    |
|                               |            | US000012680667               |
| <b>Dam</b>                    | <b>MGS</b> | MADAWASKA AEROSTAR           |
| ROTHROCK AERO DARICE-ET       |            | CA000000383622               |
| US000014606123                |            | STB-011                      |
|                               | <b>MGD</b> | HILLTOP-HANOVER-B MARK DARIA |
|                               |            | US000012908540               |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 47 | Daug. | 87  | Rel.  | 92 %  | <b>SPI</b> | -428       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1651                        |            |           |    | -53   | -2  | -0,01 | -5    | -0,07      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 516.       |
|                             |            |           |    |       |     |       |       |            | 937.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 8 | Daug. | 11 | 76,8 | Rel. | 57 % | <b>TYPE</b> | 0,18 |
|                  |             |       |        |       |    |      |      |      | rank        | 411. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,87  |    |    |   |    |    |
| Angularity            | 0,00  |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | -0,74 |    |    |   |    |    |
| Rear Legs Side View   | -0,58 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,20  |    |    |   |    |    |
| Front Teat Placement  | -0,11 |    |    |   |    |    |
| Teat Length           | 0,74  |    |    |   |    |    |
| Rear Udder Height     | -0,75 |    |    |   |    |    |
| Rear Udder Width      | -0,57 |    |    |   |    |    |
| Central Ligament      | 0,36  |    |    |   |    |    |
| Udder Depth           | 0,22  |    |    |   |    |    |
| Rump Width            | -1,17 |    |    |   |    |    |
| Rear Legs Rear View   | 1,44  |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

80,5 **Frame** 0,80

74,9 **Dairy Strength** -0,16

77,4 **Feet & Legs** 0,98

75,7 **Udder** -0,42

**SHI** -5,8

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>CHANCE SOUTHWIND LB ZACK-ET</b> | <b>US000002156938</b>             | <b>06.12.1990</b> | <b>BEL-012</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 18.06.1991     |
|                                    |                                   | USA               | IG156601A      |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>  | <b>PGS</b> | CARLIN-M IVANHOE BELL<br>US000001667366      |
| SOUTHWIND BELL OF BAR-LEE<br>US000001964484<br>BEL-001 | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET<br>US000011489023 |
| <b>Dam</b>   | <b>MGS</b> | WALKWAY CHIEF MARK<br>US000001773417         |
| LIGHT-RIDGE FAIRHIL MARK-EL<br>US000012532410          | <b>MGD</b> | LIGHTS-RBR BELL ELLEN<br>US000011258529      |

|                             |            |           |    |           |          |             |          |             |            |
|-----------------------------|------------|-----------|----|-----------|----------|-------------|----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug.     | 217      | Rel.        | 97 %     | <b>SPI</b>  | 639        |
| Number controls             |            | <b>BV</b> |    | Milk      | Fat      | %           | Prot.    | %           | rank       |
| <b>4578</b>                 |            |           |    | <b>64</b> | <b>9</b> | <b>0,11</b> | <b>5</b> | <b>0,06</b> | <b>SCS</b> |
|                             |            |           |    |           |          |             |          |             | rank       |
|                             |            |           |    |           |          |             |          |             | 310.       |
|                             |            |           |    |           |          |             |          |             | 548.       |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 26 / 15 | Daug. | 61 | 78,3 | Rel. | 85 % | <b>TYPE</b> | 0,18 |
|                  |             |       |         |       |    |      |      |      | rank        | 412. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,02 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,93  |    |    |   |    |    |
| Body Depth            | 0,89  |    |    |   |    |    |
| Rump Angle            | -0,35 |    |    |   |    |    |
| Rear Legs Side View   | 0,25  |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | -0,46 |    |    |   |    |    |
| Rear Udder Height     | -0,81 |    |    |   |    |    |
| Rear Udder Width      | -0,41 |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | 0,05  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | 0,23  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | 0,19  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,4 | <b>Frame</b>           | <b>0,72</b>  |
| 76,4 | <b>Dairy Strength</b>  | <b>1,05</b>  |
| 79,1 | <b>Feet &amp; Legs</b> | <b>-0,45</b> |
| 77,2 | <b>Udder</b>           | <b>-0,67</b> |
|      | <b>SHI</b>             | <b>26,3</b>  |
|      | rank                   | 259.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JAMINGO-ET</b> | <b>DE000113393063</b>             | <b>28.01.2002</b> | <b>JRM-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 27.02.2002     |
|                   |                                   | DEU               | 02/3052        |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | CLARA S ORKAN RED |
| JEROM          |            | NL000283076619    |
| NL000163374068 | <b>PGD</b> | MADEMEKE          |
|                |            | NL000819471596    |
| <b>Dam</b>     | <b>MGS</b> | SUBLIEM TULIP RED |
| ANNA 186       |            | NL000815222426    |
| DE000112123620 | <b>MGD</b> | SONDE 186         |
|                |            | DE000109920108    |

NIK-001

|                             |            |           |           |            |            |             |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.      | <b>114</b> | Rel.        | <b>94 %</b> | <b>SPI</b> | <b>81</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.       |             | rank       | 413.        |
| <b>2500</b>                 |            |           |           | <b>-91</b> | <b>13</b>  | <b>0,31</b> | <b>-2</b>   | <b>SCS</b> | <b>3,00</b> |
|                             |            |           |           |            |            |             |             | rank       | 534.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>12</b> | 79,0 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>0,17</b> |
|                  |             |       |              |       |           |      |      | rank        | 413.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,14  |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,04 |    |    |   |    |    |
| Body Depth            | 0,58  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | -0,50 |    |    |   |    |    |
| Foot Angle            | 0,35  |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,32 |    |    |   |    |    |
| Central Ligament      | 0,35  |    |    |   |    |    |
| Udder Depth           | -0,47 |    |    |   |    |    |
| Rump Width            | -0,44 |    |    |   |    |    |
| Rear Legs Rear View   | 0,96  |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,0 | <b>Frame</b>           | <b>0,05</b>  |
| 78,4 | <b>Dairy Strength</b>  | <b>0,05</b>  |
| 79,7 | <b>Feet &amp; Legs</b> | <b>0,16</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,18</b> |
|      | <b>SHI</b>             | <b>9,4</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FAMOS</b>      | <b>IT098500179921</b>             | <b>24.03.2002</b> | <b>FBE-008</b> |
| Country of origin | IT                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.07.2002     |
|                   |                                   | DE                | 02/35166       |

### Pedigree

|                |            |                            |
|----------------|------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET           |
| FABER RED-ET   |            | US000002129913             |
| DE000340174036 | <b>PGD</b> | LORELEY 12                 |
|                |            | DE001021135253             |
| <b>Dam</b>     | <b>MGS</b> | CASERINI LEADER TALENT RED |
| ROSSONERA      |            | IT001313049327             |
| IT001315024812 | <b>MGD</b> | FAVORITA                   |
|                |            | IT001313014407             |

|                             |            |           |            |            |             |              |             |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>121</b> | Daug.      | <b>3240</b> | Rel.         | <b>99 %</b> | <b>SPI</b> | <b>-220</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Prot.        |             | rank       | 471.        |
| <b>65990</b>                |            |           |            | <b>-67</b> | <b>-5</b>   | <b>-0,05</b> | <b>-0</b>   | <b>SCS</b> | <b>3,49</b> |
|                             |            |           |            |            |             |              |             | rank       | 1101.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>56 / 11</b> | Daug. | <b>528</b> | 79,2 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,17</b> |
|                  |             |       |                |       |            |      |      | rank        | 414.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,26  |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | -0,27 |    |    |   |    |    |
| Body Depth            | 0,29  |    |    |   |    |    |
| Rump Angle            | -0,56 |    |    |   |    |    |
| Rear Legs Side View   | -0,07 |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | 0,13  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | -0,25 |    |    |   |    |    |
| Rear Udder Width      | -0,26 |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | 0,03  |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | -0,28 |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

83,0 **Frame** **0,24**

81,0 **Dairy Strength** **0,53**

80,0 **Feet & Legs** **-0,21**

75,9 **Udder** **-0,19**

**SHI** **0,0**

rank 367.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>BRILLO-ET</b> | <b>DE000348052844</b> | <b>30.01.2004</b> | <b>BRK-001</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 01.06.2004 |
|                   |                | DE           | 04/36837   |

### Pedigree

|                       |            |                       |
|-----------------------|------------|-----------------------|
| <b>Sire</b>           | <b>PGS</b> | ETAZON TRINITY        |
| IJSSELVLIEDT BREAKOUT |            | NL000799308206        |
| NL000235387929        | <b>PGD</b> | IJSSELVLIEDT ROZA 121 |
|                       |            | NL000171684052        |
| <b>Dam</b>            | <b>MGS</b> | PREVAL                |
| HOLYDAY               |            | DE000108668889        |
| DE000344399333        | <b>MGD</b> | HOLDE                 |
|                       |            | DE000341803487        |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>46</b> | Daug.       | <b>789</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>1016</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 240.        |
| <b>12971</b>                |            |           |           | <b>-127</b> |            | <b>19</b> | <b>0,44</b> | <b>SCS</b> | <b>3,26</b> |
|                             |            |           |           |             |            |           |             | rank       | 863.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 8</b> | Daug. | <b>94</b> | 80,0 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>0,16</b> |
|                  |             |       |               |       |           |      |      | rank        | 415.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,34  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | 0,10  |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | 0,72  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | -0,14 |    |    |   |    |    |
| Front Teat Placement  | 0,35  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,92  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | -0,35 |    |    |   |    |    |
| Rump Width            | -0,35 |    |    |   |    |    |
| Rear Legs Rear View   | -0,69 |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,35 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,9 | <b>Frame</b> | <b>0,13</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 81,3 | <b>Dairy Strength</b> | <b>0,70</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Feet &amp; Legs</b> | <b>-1,99</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,84</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>37,2</b> |
|--|------------|-------------|

rank 242.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                      |                   |                |
|-------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number  | Birth date        | State Register |
| <b>FAGGIO-ET</b>  | <b>DE00000912915</b> | <b>01.01.1996</b> | <b>BS-043</b>  |
| Country of origin | DE                   | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.       | Herdbook          | HA             |
|                   |                      | Paternity         | 07.02.1996     |
|                   |                      | DEU               | 96/2249        |

### Pedigree

|                  |            |                               |
|------------------|------------|-------------------------------|
| <b>Sire</b>      | <b>PGS</b> | TO-MAR BLACKSTAR-ET           |
| RENOWN FACTOR-ET |            | US000001929410                |
| US000002129913   | <b>PGD</b> | RENOWN ENHANCER TINSEL RED-ET |
| BS-009           |            | US000013281785                |
| <b>Dam</b>       | <b>MGS</b> | E-D THOR-RED                  |
| KANADA 63        |            | US000000012040                |
| DE000722919921   | <b>MGD</b> | KANONE 143                    |
|                  |            | DE000755398180                |

|                             |            |           |      |       |      |       |      |            |             |
|-----------------------------|------------|-----------|------|-------|------|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 72   | Daug. | 858  | Rel.  | 99 % | <b>SPI</b> | -1681       |
| Number controls             |            | <b>BV</b> | Milk | Fat   | %    | Prot. | %    | rank       | 804.        |
| <b>17920</b>                |            |           | -589 | -3    | 0,39 | -12   | 0,15 | <b>SCS</b> | <b>3,05</b> |
|                             |            |           |      |       |      |       |      | rank       | 592.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 4 | Daug. | 92 | 78,4 | Rel. | 87 % | <b>TYPE</b> | 0,16 |
|                  |             |       |        |       |    |      |      | rank | 416.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,63  |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | 0,92  |    |    |   |    |    |
| Body Depth            | 1,23  |    |    |   |    |    |
| Rump Angle            | -1,26 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | -0,91 |    |    |   |    |    |
| Teat Length           | 0,23  |    |    |   |    |    |
| Rear Udder Height     | -0,38 |    |    |   |    |    |
| Rear Udder Width      | 0,31  |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | -1,16 |    |    |   |    |    |
| Rump Width            | 0,71  |    |    |   |    |    |
| Rear Legs Rear View   | 0,57  |    |    |   |    |    |
| Rear Teat Placement   | -1,13 |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | 0,11  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,5 | <b>Frame</b>           | <b>1,36</b>  |
| 79,3 | <b>Dairy Strength</b>  | <b>0,92</b>  |
| 79,5 | <b>Feet &amp; Legs</b> | <b>0,71</b>  |
| 75,4 | <b>Udder</b>           | <b>-1,48</b> |
|      | <b>SHI</b>             | <b>-44,2</b> |
|      | rank                   | 496.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>JUNIMOND-ET</b> | <b>DE000767909994</b>             | <b>15.07.2000</b> | <b>BES-002</b> |
| Country of origin  | DE                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 23.10.2000     |
|                    |                                   | DEU               | 00/12380       |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK            |
| JOCKO BESN     |            | FR004486041658        |
| FR005694028588 | <b>PGD</b> | GAIA                  |
|                |            | FR005691017484        |
| <b>Dam</b>     | <b>MGS</b> | LA PRESENTATION LAZER |
| FIDJI T621     |            | CA000005033036        |
| DE000764662075 | <b>MGD</b> | FINABEL 452 BL        |
|                |            | DE000760310707        |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>81</b> | Rel.      | <b>92 %</b>  | <b>SPI</b> | <b>1392</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 171.        |
| <b>1862</b>                 |            |           |           | <b>362</b> |           | <b>9</b>  | <b>-0,10</b> | <b>SCS</b> | <b>2,62</b> |
|                             |            |           |           |            |           | <b>10</b> | <b>-0,03</b> | rank       | 134.        |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 9</b> | Daug. | <b>17</b> | 77,8 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>0,16</b> |
|                  |             |       |               |       |           |      |      | rank        | 417.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,23  |    |    |   |    |    |
| Angularity            | 0,67  |    |    |   |    |    |
| Chest Width           | -0,89 |    |    |   |    |    |
| Body Depth            | -0,73 |    |    |   |    |    |
| Rump Angle            | 0,53  |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | -0,56 |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,38  |    |    |   |    |    |
| Rear Udder Width      | 0,26  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 0,39  |    |    |   |    |    |
| Rump Width            | -0,59 |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,15  |    |    |   |    |    |
| Body Condition        | -0,53 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 78,9 | <b>Frame</b> | <b>-0,40</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 78,6 | <b>Dairy Strength</b> | <b>0,38</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,4 | <b>Feet &amp; Legs</b> | <b>0,09</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,1 | <b>Udder</b> | <b>0,28</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>48,4</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BROAD COVE GOLDENGATE</b> | <b>CA000006387868</b>      | <b>03.06.1995</b> | <b>LET-002</b>        |
| Country of origin            | CA                         | <b>Breed</b>      | H100                  |
| Distributor                  | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                              |                            | Paternity         | 11.05.2000            |
|                              |                            | CAN               | 359328                |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790                  |
| HANOVERHILL LIEUTENANT<br>CA000000400665<br>STB-012 | <b>PGD</b> | HANOVERHILL CHIEF T LULU<br>CA000004100574              |
| <b>Dam</b>  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN<br>US000001983348<br>TDN-004 |
| ALTAGEN LEADMAN GOLDEN<br>CA000005606997            | <b>MGD</b> | A WILDT MARK GOLDIE<br>CA000004430218                   |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>690</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-229</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %           |
| <b>13963</b>                |            |           |           | <b>-179</b> |            | <b>-2</b> | <b>0,09</b> | <b>1</b>   | <b>0,14</b> |
|                             |            |           |           |             |            |           |             | rank       | 473.        |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>3,31</b> |
|                             |            |           |           |             |            |           |             | rank       | 926.        |

|                  |             |       |               |       |           |      |      |             |             |             |      |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 6</b> | Daug. | <b>52</b> | 77,5 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>0,16</b> |      |
|                  |             |       |               |       |           |      |      |             |             | rank        | 418. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 0,48  |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 0,58  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,50  |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | -0,64 |    |    |   |    |    |
| Teat Length           | 1,25  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,62 |    |    |   |    |    |
| Central Ligament      | 0,13  |    |    |   |    |    |
| Udder Depth           | 0,87  |    |    |   |    |    |
| Rump Width            | -0,25 |    |    |   |    |    |
| Rear Legs Rear View   | 0,46  |    |    |   |    |    |
| Rear Teat Placement   | -0,23 |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,2 | <b>Frame</b>           | <b>0,83</b>  |
| 77,6 | <b>Dairy Strength</b>  | <b>-0,11</b> |
| 77,8 | <b>Feet &amp; Legs</b> | <b>1,52</b>  |
| 75,5 | <b>Udder</b>           | <b>-0,84</b> |
|      | <b>SHI</b>             | <b>-0,7</b>  |
|      | rank                   | 369.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                            |                   |                       |
|-------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>        | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>R-E-W SCOOTER-ET</b> | <b>US000133001167</b>      | <b>20.03.2002</b> | <b>BW-020</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.11.2002 |
|                   |                                   | USA          | DNA        |

### Pedigree

|                             |                |                           |
|-----------------------------|----------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET    |
| SILDAHL BW DUTCH BOY-ET     |                | US000002103297            |
| US000017058140              | <b>MEW-004</b> |                           |
| BW-016                      | <b>PGD</b>     | BALLAND LASER DUTCHESS-TW |
|                             |                | US000014911435            |
| <b>Dam</b>                  | <b>MGS</b>     | PEN-COL DUSTER-ET         |
| SHER-EST DUSTER STARDUST-ET |                | US000002147486            |
| US000017176084              | <b>MGD</b>     | SHER-EST THOR SOUP-TW     |
|                             |                | US000014962426            |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 40 | Daug. | 85  | Rel. | 92 %  | <b>SPI</b> | 1476       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1837                        |            |           |    | 343   | 16  | 0,04 | 9     | -0,04      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 156.       |
|                             |            |           |    |       |     |      |       |            | 2,98       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 516.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 9 | Daug. | 22 | 78,5 | Rel. | 67 % | <b>TYPE</b> | 0,15 |
|                  |             |       |        |       |    |      |      |      | rank        | 419. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | 0,21  |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | 0,68  |    |    |   |    |    |
| Fore Udder Attachment | -0,10 |    |    |   |    |    |
| Front Teat Placement  | 0,28  |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,33  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,78 |    |    |   |    |    |
| Udder Depth           | -0,94 |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | 0,22  |    |    |   |    |    |
| Rear Teat Placement   | 0,04  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,87 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 80,4 | <b>Frame</b> | -0,71 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 78,6 | <b>Dairy Strength</b> | -0,04 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 80,1 | <b>Feet &amp; Legs</b> | 1,07 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 76,6 | <b>Udder</b> | 0,11 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 50,4 |
|--|------------|------|

rank 205.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TALANT</b>     | <b>FR006204807593</b>             | <b>15.09.2002</b> | <b>MNA-010</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 07.02.2003     |
|                   |                                   | FRA               | 146962         |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET  |
| JESTHER-ET              |            | US000002070579             |
| FR005994022699          |            | RAY-002                    |
|                         | <b>PGD</b> | ROCKY-VU ELTON EDNA ELI-ET |
|                         |            | US000014189172             |
| <b>Dam</b>              | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET     |
| MAYERLANE CHERY WOOD-ET |            | US000002103297             |
| US000123143781          |            | MEW-004                    |
|                         | <b>MGD</b> | THOR CINDY                 |
|                         |            | US000014644167             |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>108</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>-701</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 577.        |
| <b>2083</b>                 |            |           |           | <b>-81</b> |            | <b>-2</b> | <b>0,01</b>  | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |           |            |            | <b>-8</b> | <b>-0,14</b> | rank       | 488.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 11</b> | Daug. | <b>26</b> | 78,5 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>0,15</b> |
|                  |             |       |                |       |           |      |      | rank        | 420.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,68  |    |    |   |    |    |
| Angularity            | -0,18 |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,70  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | -0,86 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | 0,58  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | -0,26 |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | -0,53 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,8 | <b>Frame</b>           | <b>0,85</b>  |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,35</b> |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-0,68</b> |
| 77,5 | <b>Udder</b>           | <b>0,52</b>  |
|      | <b>SHI</b>             | <b>-15,3</b> |
|      | rank                   | 415.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                      |
|----------------------------------|-----------------------------------|-------------------|----------------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register       |
| <b>ABRAHAM BENCHMARK SVIT-ET</b> | <b>SK00000201854</b>              | <b>31.12.1995</b> | <b>BEK-004</b>       |
| Country of origin                | Breed                             |                   | H100                 |
| SK                               | Herdbook                          |                   | HA                   |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. |                   | Paternity 19.12.1996 |
|                                  | SVK                               |                   | 0200/17              |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| SINGING-BROOK BENCHMARK-ET |            | US000001879149                |
| US000002078290             | <b>PGD</b> | PACLAMAR MARIETTA BOWS        |
| MEW-001                    |            | US000012178426                |
| <b>Dam</b>                 | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| EVER-GREEN-VIEW JELLY-ET   |            | US000002020049 NBY-011        |
| US000015060872             | <b>MGD</b> | BAY-ROAD CLEITUS PLUM-ET      |
|                            |            | US000013613699                |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 32 | Daug. | 73  | Rel. | 91 %  | <b>SPI</b> | -1575      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1539                        |            |           |    | -408  | -6  | 0,18 | -13   | -0,01      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 784.       |
|                             |            |           |    |       |     |      |       |            | 314.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 10 | 77,3 | Rel. | 52 % | <b>TYPE</b> | 0,14 |
|                  |             |       |       |       |    |      |      |      | rank        | 421. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,15  |    |    |   |    |    |
| Angularity            | 0,50  |    |    |   |    |    |
| Chest Width           | -0,88 |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    |    |
| Foot Angle            | 0,65  |    |    |   |    |    |
| Fore Udder Attachment | -0,76 |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | -0,33 |    |    |   |    |    |
| Rear Udder Width      | -0,40 |    |    |   |    |    |
| Central Ligament      | 1,11  |    |    |   |    |    |
| Udder Depth           | 0,08  |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 0,30  |    |    |   |    |    |
| Rear Teat Placement   | -0,23 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,1 | <b>Frame</b>           | -0,40 |
| 76,4 | <b>Dairy Strength</b>  | 0,53  |
| 79,9 | <b>Feet &amp; Legs</b> | 0,97  |
| 75,4 | <b>Udder</b>           | -0,71 |
|      | <b>SHI</b>             | -41,8 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TESON ET</b>   | <b>SK000046809853</b> | <b>17.03.1995</b> | <b>TES-003</b> |
| Country of origin | SK                    | <b>Breed</b>      | H100           |
| Distributor       | Slovensko             | Herdbook          | HA             |
|                   |                       | Paternity         | 18.03.1996     |
|                   |                       | SVK               | 0210/14        |

### Pedigree

|                              |            |                              |
|------------------------------|------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | S-W-D VALIANT                |
| TESK-HOLM VALIANT ROCKIE     |            | US000001650414               |
| US000001841366               | <b>PGD</b> | HOUVALE APOLLO GAIL          |
| VAL-016                      |            | US000008985852               |
| <b>Dam</b>                   | <b>MGS</b> | LEKKER IVANHOE BELL JESSE-ET |
| RUANN JESSE LORELEI 88207-ET |            | US000001842389               |
| US000013350496               | <b>MGD</b> | RUANN GOLDEN NUGGET LASS     |
|                              |            | US000010532369               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>55</b> | Daug.       | <b>191</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-1553</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 777.         |
| <b>3798</b>                 |            |           |           | <b>-345</b> |            | <b>-14</b> | <b>-0,03</b> | <b>SCS</b> | <b>3,18</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>-0,01</b> | rank       | 772.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>21 / 13</b> | Daug. | <b>32</b> | 77,0 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,14</b> |
|                  |             |       |                |       |           |      |      | rank        | 422.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,34  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | 0,98  |    |    |   |    |    |
| Rear Legs Side View   | -0,57 |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,01 |    |    |   |    |    |
| Teat Length           | 0,88  |    |    |   |    |    |
| Rear Udder Height     | -0,31 |    |    |   |    |    |
| Rear Udder Width      | -0,46 |    |    |   |    |    |
| Central Ligament      | 0,11  |    |    |   |    |    |
| Udder Depth           | 0,58  |    |    |   |    |    |
| Rump Width            | 0,41  |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

daught. average

79,5 **Frame** **0,51**

74,0 **Dairy Strength** **-0,01**

78,4 **Feet & Legs** **0,65**

76,5 **Udder** **-0,47**

**SHI** **-41,1**

rank 485.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>GENIUS-ET</b>  | <b>DE000767649726</b> | <b>16.06.1999</b> | <b>ALE-002</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 12.10.1999     |
|                   |                       | DEU               | 99/12373       |

### Pedigree

|                        |            |                       |
|------------------------|------------|-----------------------|
| <b>Sire</b>            | <b>PGS</b> | MADAWASKA AEROSTAR    |
| OLIVEHOLME AEROLINE-ET |            | CA000000383622        |
| CA000005429693         | <b>PGD</b> | OLIVEHOLME MARK BECKY |
| ARS-022                |            | CA000004630016        |
| <b>Dam</b>             | <b>MGS</b> | ESQUIMAU              |
| GERANIU106             |            | FR002989026154        |
| DE000760341795         | <b>MGD</b> | DIANE                 |
|                        |            | FR000088004884        |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>92</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1447</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        | %            | rank       | 743.         |
| <b>2011</b>                 |            |           |           | <b>-297</b> |           | <b>-20</b> | <b>-0,19</b> | <b>SCS</b> | <b>2,79</b>  |
|                             |            |           |           |             |           | <b>-8</b>  | <b>0,03</b>  | rank       | 277.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>10</b> | 77,1 | Rel. | <b>53 %</b> | <b>TYPE</b> | <b>0,14</b> |
|                  |             |       |              |       |           |      |      | rank        | 423.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,80 |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | 0,71  |    |    |   |    |    |
| Body Depth            | 0,32  |    |    |   |    |    |
| Rump Angle            | -0,69 |    |    |   |    |    |
| Rear Legs Side View   | -0,59 |    |    |   |    |    |
| Foot Angle            | 0,17  |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | -0,26 |    |    |   |    |    |
| Central Ligament      | 0,27  |    |    |   |    |    |
| Udder Depth           | 0,12  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,09 |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 75,9 | <b>Frame</b>           | <b>-0,57</b> |
| 76,4 | <b>Dairy Strength</b>  | <b>0,25</b>  |
| 79,3 | <b>Feet &amp; Legs</b> | <b>0,61</b>  |
| 76,9 | <b>Udder</b>           | <b>0,37</b>  |
|      | <b>SHI</b>             | <b>-37,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MARIELLO</b>   | <b>DE000346122790</b>      | <b>10.10.2001</b> | <b>MNL-014</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 12.11.2001            |
|                   |                            | DEU               | 01/12709              |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET |            | US000002119526              |
| US000002297473        | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007               |            | US000014334791              |
| <b>Dam</b>            | <b>MGS</b> | ESQUIMAU                    |
| BIGA 370              |            | FR002989026154              |
| DE000341833851        | <b>MGD</b> | BIGGI 327                   |
|                       |            | DE001021555412              |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.      | <b>150</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>-39</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>2906</b>                 |            |           |           | <b>113</b> |            | <b>-6</b> | <b>-0,20</b> | <b>-0</b>  | <b>-0,09</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,37</b>  |
|                             |            |           |           |            |            |           |              | rank       | 436.         |
|                             |            |           |           |            |            |           |              | rank       | 997.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 4</b> | Daug. | <b>14</b> | 79,1 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>0,14</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 424.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | -0,43 |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | -0,38 |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | 0,90  |    |    |   |    |    |
| Front Teat Placement  | 0,63  |    |    |   |    |    |
| Teat Length           | 0,14  |    |    |   |    |    |
| Rear Udder Height     | 0,08  |    |    |   |    |    |
| Rear Udder Width      | -0,26 |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | 0,22  |    |    |   |    |    |
| Rump Width            | -0,56 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | 0,75  |    |    |   |    |    |
| Locomotion            | 0,15  |    |    |   |    |    |
| Body Condition        | 0,17  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>-0,41</b> |
| 78,7 | <b>Dairy Strength</b>  | <b>-0,63</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>0,39</b>  |
| 78,9 | <b>Udder</b>           | <b>0,38</b>  |
|      | <b>SHI</b>             | <b>4,4</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>EASTLAND JUDGE</b> | <b>NL000232824803</b>             | <b>29.08.1998</b> | <b>LUG-003</b> |
| Country of origin     | NL                                | <b>Breed</b>      | H100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 03.12.1998     |
|                       |                                   | NLD               | 031298         |

### Pedigree

|                 |            |                              |
|-----------------|------------|------------------------------|
| <b>Sire</b>     | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| DELTA LUXEMBURG |            | US000001920807               |
| NL000776846536  | <b>PGD</b> | DELTA SIBERIA-ET             |
|                 |            | NL000316418766               |
| <b>Dam</b>      | <b>MGS</b> | SKALSUMER SUNNY BOY-ET       |
| EASTLAND GOLDA  |            | NL000311651443               |
| NL000775327465  | <b>MGD</b> | EASTLAND GOLDEN ET           |
|                 |            | NL000514152714               |

|                             |            |           |           |             |           |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>10</b> | Daug.       | <b>90</b> | Rel.     | <b>92 %</b> | <b>SPI</b> | <b>101</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat      |             | rank       | 408.        |
| <b>1829</b>                 |            |           |           | <b>-123</b> |           | <b>2</b> | <b>0,11</b> | <b>SCS</b> | <b>3,47</b> |
|                             |            |           |           |             |           | <b>4</b> | <b>0,16</b> | rank       | 1091.       |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 2</b> | Daug. | <b>35</b> | 78,9 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>0,13</b> |
|                  |             |       |              |       |           |      |      | rank        | 425.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,29 |    |    | ■ |    |    |
| Angularity            | 0,25  |    |    |   | ■  |    |
| Chest Width           | -0,78 |    | ■  |   |    |    |
| Body Depth            | -0,59 |    | ■  |   |    |    |
| Rump Angle            | -0,78 |    | ■  |   |    |    |
| Rear Legs Side View   | -0,69 |    | ■  |   |    |    |
| Foot Angle            | 0,34  |    |    |   | ■  |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   | ■  |    |
| Rear Udder Height     | -0,18 |    |    | ■ |    |    |
| Rear Udder Width      | 0,14  |    |    |   | ■  |    |
| Central Ligament      | 0,40  |    |    |   | ■  |    |
| Udder Depth           | 0,49  |    |    |   | ■  |    |
| Rump Width            | -0,87 |    | ■  |   |    |    |
| Rear Legs Rear View   | 0,64  |    |    |   | ■  |    |
| Rear Teat Placement   | 0,27  |    |    |   | ■  |    |
| Locomotion            | 0,15  |    |    |   | ■  |    |
| Body Condition        | -0,31 |    |    | ■ |    |    |

daught. average

78,9 **Frame** **-1,01**

77,3 **Dairy Strength** **-0,06**

80,5 **Feet & Legs** **1,12**

78,7 **Udder** **0,21**

**SHI** **8,4**

rank 344.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>HARNA-ET</b>   | <b>CZ000017622061</b>             | <b>12.10.2003</b> | <b>BW-022</b>  |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.12.2003     |
|                   |                                   | CZ                | 0302399        |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET    |
| MCCLOE-POND TRENT           |            | US000002103297            |
| US000017226843              | <b>PGD</b> | MCCLOE-POND MOUNTAIN TRIS |
| BW-015                      |            | US000015674637            |
| <b>Dam</b>                  | <b>MGS</b> | KENJO PRESCOTT            |
| MOROVILLE PRESCOTT BEATRICE |            | US000002140171            |
| US000017164981              | <b>MGD</b> | LUKE BETTY                |
|                             |            | US000015475332            |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>68</b> | Daug.      | <b>852</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1483</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 154.        |
| <b>16183</b>                |            |           |           | <b>379</b> |            | <b>5</b> | <b>-0,18</b> | <b>13</b>  | <b>0,02</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,38</b> |
|                             |            |           |           |            |            |          |              | rank       | 1006.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 14</b> | Daug. | <b>205</b> | 79,8 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>0,13</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 426.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,71  |    |    |   |    |    |
| Angularity            | -0,36 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | 0,12  |    |    |   |    |    |
| Rump Angle            | 0,85  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | -0,17 |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | -0,19 |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | 0,77  |    |    |   |    |    |
| Rear Legs Rear View   | -0,46 |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,4 | <b>Frame</b>           | <b>1,06</b>  |
| 80,6 | <b>Dairy Strength</b>  | <b>-0,26</b> |
| 81,1 | <b>Feet &amp; Legs</b> | <b>0,42</b>  |
| 76,4 | <b>Udder</b>           | <b>-0,81</b> |
|      | <b>SHI</b>             | <b>50,1</b>  |
|      | rank                   | 206.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CEDRIC RED</b> | <b>NL000243635278</b>             | <b>06.12.1999</b> | <b>SOG-007</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 01.11.2000     |
|                   |                                   | NL                | 53998          |

### Pedigree

|                |            |                        |
|----------------|------------|------------------------|
| <b>Sire</b>    | <b>PGS</b> | STOLLBERG              |
| STADEL RED     |            | DE000605543976         |
| DE001015240086 | <b>PGD</b> | DOUBLETTE              |
|                |            | DE001015106572         |
| <b>Dam</b>     | <b>MGS</b> | RAILSIDE JEWEL -RED-ET |
| DORA 440       |            | US000002135046         |
| NL000206733186 | <b>MGD</b> | DORA 416               |
|                |            | NL000141497639         |

|                             |            |           |           |             |             |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.       | <b>1356</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1262</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       |             | rank       | 706.         |
| <b>27619</b>                |            |           |           | <b>-484</b> |             | <b>-6</b> | <b>0,24</b> | <b>SCS</b> | <b>2,91</b>  |
|                             |            |           |           |             |             | <b>-6</b> | <b>0,20</b> | rank       | 409.         |

|                  |             |       |              |       |           |             |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|-------------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 4</b> | Daug. | <b>32</b> | <b>78,7</b> | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,13</b> |
|                  |             |       |              |       |           |             |      | rank        | 427.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,15 |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,57 |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | -0,68 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | 0,56  |    |    |   |    |    |
| Teat Length           | -1,39 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | 0,85  |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | -0,81 |    |    |   |    |    |
| Rear Legs Rear View   | 0,37  |    |    |   |    |    |
| Rear Teat Placement   | -0,11 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>-1,89</b> |
| 79,3 | <b>Dairy Strength</b>  | <b>-0,42</b> |
| 79,5 | <b>Feet &amp; Legs</b> | <b>0,15</b>  |
| 77,1 | <b>Udder</b>           | <b>1,51</b>  |
|      | <b>SHI</b>             | <b>-33,0</b> |
|      | rank                   | 461.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>MCCLOE-POND TRENT</b> | <b>US000017226843</b>             | <b>23.09.1996</b> | <b>BW-015</b>  |
| Country of origin        | US                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 08.06.2001     |
|                          |                                   | USA               | 4651           |

### Pedigree

|                           |            |                           |
|---------------------------|------------|---------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA MELWOOD-ET        |
| MAIZEFIELD BELLWOOD-ET    |            | US000001879149            |
| US000002103297            | <b>PGD</b> | BREN-WAY BELL BETSY       |
| MEW-004                   |            | US000012052401            |
| <b>Dam</b>                | <b>MGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| MCCLOE-POND MOUNTAIN TRIS |            | US000002070579            |
| US000015674637            | <b>MGD</b> | MCCLOE-POND WHISTER TESS  |
|                           |            | US000014894669            |

|                             |            |           |   |             |           |             |           |             |            |
|-----------------------------|------------|-----------|---|-------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 4 | Daug.       | 74        | Rel.        | 92 %      | <b>SPI</b>  | 6046       |
| Number controls             |            | <b>BV</b> |   | Milk        | Fat       | %           | Prot.     | %           | rank       |
| <b>1469</b>                 |            |           |   | <b>1040</b> | <b>70</b> | <b>0,48</b> | <b>42</b> | <b>0,17</b> | <b>SCS</b> |
|                             |            |           |   |             |           |             |           |             | rank       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 4 | Daug. | 64 | 78,6 | Rel. | 84 % | <b>TYPE</b> | 0,12 |
|                  |             |       |        |       |    |      |      |      | rank        | 428. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,82  |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | 1,90  |    |    |   |    |    |
| Rear Legs Side View   | 0,81  |    |    |   |    |    |
| Foot Angle            | 0,66  |    |    |   |    |    |
| Fore Udder Attachment | -0,59 |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | -1,06 |    |    |   |    |    |
| Rump Width            | 0,76  |    |    |   |    |    |
| Rear Legs Rear View   | -1,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,42 |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,9 | <b>Frame</b>           | 1,29  |
| 78,8 | <b>Dairy Strength</b>  | -0,23 |
| 77,5 | <b>Feet &amp; Legs</b> | 0,18  |
| 77,4 | <b>Udder</b>           | -0,81 |
|      | <b>SHI</b>             | 187,1 |
|      | rank                   | 9.    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>TOPSPEED DELTA SENIOR</b> | <b>NL000333204252</b> | <b>02.09.2001</b> | <b>SNR-003</b> |
| Country of origin            | NL                    | <b>Breed</b>      | R100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 19.11.2001     |
|                              |                       | NL                | 71207          |

### Pedigree

|                           |            |                     |
|---------------------------|------------|---------------------|
| <b>Sire</b>               | <b>PGS</b> | MARTY RED-ET        |
| TOPINDEX MARTINUS         |            | NL000959580420      |
| NL000141539210            | <b>PGD</b> | TOPINDEX 1970       |
|                           |            | NL000783524283      |
| <b>Dam</b>                | <b>MGS</b> | ETAZON LORD LILY-ET |
| HOOKWOOD TOPSPEED SIENTJE |            | NL000780180664      |
| NL000194119793            | <b>MGD</b> | HOOKWOOD SIENTJE 67 |
|                           |            | NL000783703813      |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.       | <b>379</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>700</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 300.        |
| <b>7516</b>                 |            |           |           | <b>-223</b> |            | <b>19</b> | <b>0,53</b> | <b>SCS</b> | <b>2,91</b> |
|                             |            |           |           |             |            | <b>7</b>  | <b>0,33</b> | rank       | 410.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 3</b> | Daug. | <b>41</b> | 79,7 | Rel. | <b>75 %</b> | <b>TYPE</b> | <b>0,12</b> |
|                  |             |       |              |       |           |      |      | rank        | 429.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,07  |    |    |   |    |    |
| Angularity            | -0,34 |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,14  |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | 0,74  |    |    |   |    |    |
| Teat Length           | -0,66 |    |    |   |    |    |
| Rear Udder Height     | -0,21 |    |    |   |    |    |
| Rear Udder Width      | -0,06 |    |    |   |    |    |
| Central Ligament      | -0,29 |    |    |   |    |    |
| Udder Depth           | -0,43 |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | 0,16  |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | 0,71  |    |    |   |    |    |
| Body Condition        | -0,12 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,0 | <b>Frame</b>           | <b>0,30</b>  |
| 80,5 | <b>Dairy Strength</b>  | <b>-0,50</b> |
| 82,5 | <b>Feet &amp; Legs</b> | <b>0,58</b>  |
| 75,7 | <b>Udder</b>           | <b>-0,31</b> |
|      | <b>SHI</b>             | <b>25,8</b>  |
|      | rank                   | 263.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TARIBO</b>     | <b>DE000066240527</b> | <b>15.02.2005</b> | <b>SOM-012</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 12.09.2005     |
|                   |                       | DE                | 05/40631       |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | MAUGHLIN STORM-ET       |
| LADINO PARK TALENT-IMP-ET |            | CA000005457798          |
| AU0000000930377           | <b>PGD</b> | MARKWELL LEADER ROSE-ET |
|                           |            | US000015804313          |
| <b>Dam</b>                | <b>MGS</b> | RUBENS                  |
| ARRIBA 162                |            | DE000577182316          |
| DE000579333406            | <b>MGD</b> | AJOLA                   |
|                           |            | DE000578991424          |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>455</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-2447</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | Prot.      | %            |
| <b>8591</b>                 |            |           |           | <b>-597</b> |            | <b>-22</b> | <b>-0,00</b> | <b>-16</b> | <b>0,06</b>  |
|                             |            |           |           |             |            |            |              | <b>SCS</b> | <b>3,22</b>  |
|                             |            |           |           |             |            |            |              | rank       | 965.         |
|                             |            |           |           |             |            |            |              | rank       | 809.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 2</b> | Daug. | <b>19</b> | 79,2 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>0,11</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 430.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,28 |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | -1,09 |    |    |   |    |    |
| Body Depth            | -0,88 |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | 0,26  |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,93  |    |    |   |    |    |
| Front Teat Placement  | 0,51  |    |    |   |    |    |
| Teat Length           | -0,79 |    |    |   |    |    |
| Rear Udder Height     | 0,96  |    |    |   |    |    |
| Rear Udder Width      | 0,75  |    |    |   |    |    |
| Central Ligament      | 0,65  |    |    |   |    |    |
| Udder Depth           | 0,21  |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | -0,41 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -1,07 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,7 | <b>Frame</b>           | <b>-2,19</b> |
| 79,5 | <b>Dairy Strength</b>  | <b>-0,94</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>-0,42</b> |
| 78,7 | <b>Udder</b>           | <b>2,09</b>  |
|      | <b>SHI</b>             | <b>-69,2</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>AGRIPA KENT GONG-ET</b> | <b>SK000080084859</b>             | <b>14.04.1997</b> | <b>KNT-001</b> |
| Country of origin          | SK                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 30.01.1998     |
|                            |                                   | SVK               | 0230/26        |

### Pedigree

|                              |            |                           |
|------------------------------|------------|---------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS |
| CRESCENTMEAD CLEITUS KENT-ET |            | US000001879085            |
| US000002093675               | <b>PGD</b> | JENNITON-R KIMBERLY-ET    |
|                              |            | US000011954220            |
| <b>Dam</b>                   | <b>MGS</b> | MADAWASKA AEROSTAR        |
| PRAIRIE-BELLE GLAMOUR-ET     |            | CA000000383622            |
| US000014773162               | <b>MGD</b> | HAYSEED ROTATE GAIETY     |
|                              |            | US000012893091            |

|                             |            |           |    |             |     |            |              |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug.       | 106 | Rel.       | 93 %         | <b>SPI</b> | <b>-1835</b> |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat        | %            | Prot.      | %            |
| <b>2047</b>                 |            |           |    | <b>-383</b> |     | <b>-15</b> | <b>-0,01</b> | <b>-14</b> | <b>-0,06</b> |
|                             |            |           |    |             |     |            |              | <b>SCS</b> | <b>3,27</b>  |
|                             |            |           |    |             |     |            |              | rank       | 840.         |
|                             |            |           |    |             |     |            |              | rank       | 878.         |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 20 | 76,7 | Rel. | 64 % | <b>TYPE</b> | <b>0,11</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 431.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | 0,60  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | -0,66 |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | 0,38  |    |    |   |    |    |
| Front Teat Placement  | -1,02 |    |    |   |    |    |
| Teat Length           | 1,00  |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,54 |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | -0,33 |    |    |   |    |    |
| Rear Legs Rear View   | 0,74  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,9 | <b>Frame</b>           | <b>-0,92</b> |
| 76,3 | <b>Dairy Strength</b>  | <b>1,55</b>  |
| 78,5 | <b>Feet &amp; Legs</b> | <b>1,03</b>  |
| 75,9 | <b>Udder</b>           | <b>-0,38</b> |
|      | <b>SHI</b>             | <b>-50,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>VAJHATI ZSENGE MTOTO</b> | <b>HU003220133394</b> | <b>23.03.2001</b> | <b>PEL-039</b> |
| Country of origin           | HU                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 26.04.2001     |
|                             |                       | HU                | 24732/01       |

### Pedigree

|                        |            |                       |         |
|------------------------|------------|-----------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | RONNYBROOK PRELUDE-ET |         |
| CAROL PRELUDE MTOTO-ET |            | CA000000392457        | STB-016 |
| IT006001001962         | <b>PGD</b> | BLACKSTAR BETSY-ET    |         |
|                        |            | US000014459466        |         |
| <b>Dam</b>             | <b>MGS</b> | KED JUROR-ET          |         |
| MARGO                  |            | US000002124357        | BS-017  |
| HU003000286524         | <b>MGD</b> | MARGO                 |         |
|                        |            | HU003000246890        |         |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>290</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>-798</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 598.        |
| <b>5841</b>                 |            |           |           | <b>-302</b> |            | <b>4</b>  | <b>0,31</b> | <b>SCS</b> | <b>2,42</b> |
|                             |            |           |           |             |            | <b>-8</b> | <b>0,03</b> | rank       | 50.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 2</b> | Daug. | <b>49</b> | 79,7 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>0,11</b> |
|                  |             |       |              |       |           |      |      | rank        | 432.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,30 |    |    | ■ |    |    |
| Angularity            | 0,45  |    |    |   | ■  |    |
| Chest Width           | -0,48 |    |    | ■ |    |    |
| Body Depth            | -1,03 |    | ■  |   |    |    |
| Rump Angle            | -0,25 |    |    | ■ |    |    |
| Rear Legs Side View   | -0,50 |    | ■  |   |    |    |
| Foot Angle            | 0,16  |    |    |   | ■  |    |
| Fore Udder Attachment | 0,41  |    |    |   | ■  |    |
| Front Teat Placement  | 0,65  |    |    |   | ■  |    |
| Teat Length           | 0,24  |    |    |   | ■  |    |
| Rear Udder Height     | 0,19  |    |    |   | ■  |    |
| Rear Udder Width      | -0,38 |    |    | ■ |    |    |
| Central Ligament      | 0,79  |    |    |   | ■  |    |
| Udder Depth           | 1,69  |    |    |   | ■  |    |
| Rump Width            | -0,25 |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,23  |    |    |   | ■  |    |
| Rear Teat Placement   | 1,05  |    |    |   | ■  |    |
| Locomotion            | 0,33  |    |    |   | ■  |    |
| Body Condition        | 0,21  |    |    |   | ■  |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>-0,99</b> |
| 80,0 | <b>Dairy Strength</b>  | <b>-0,49</b> |
| 82,3 | <b>Feet &amp; Legs</b> | <b>0,67</b>  |
| 77,0 | <b>Udder</b>           | <b>0,54</b>  |
|      | <b>SHI</b>             | <b>-19,7</b> |
|      | rank                   | 427.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                                |                                   |              |                |
|--------------------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date   | State Register |
| <b>LA PRESENTATION AERO-ET</b> | <b>CA000005416805</b>             | 19.05.1991   | <b>ARS-019</b> |
| Country of origin              | CA                                | <b>Breed</b> | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                                |                                   | Paternity    | 07.10.1991     |
|                                |                                   | CAN          | CD 257683      |

### Pedigree

|                         |            |                          |
|-------------------------|------------|--------------------------|
| <b>Sire</b>             | <b>PGS</b> | HANOVERHILL STARBUCK     |
| MADAWASKA AEROSTAR      |            | CA000000352790           |
| CA000000383622          | <b>PGD</b> | MADAWASKA SHADY          |
| STB-011                 |            | CA0000003511527          |
| <b>Dam</b>              | <b>MGS</b> | CAL-CLARK BOARD CHAIRMAN |
| DE LA PRESENTATION LIMA |            | US000001723741 ADM-008   |
| CA0000004111972         | <b>MGD</b> | DE LA PRESENTATION BRISE |
|                         |            | CA0000003849194          |

|                             |            |           |    |             |      |           |              |            |              |
|-----------------------------|------------|-----------|----|-------------|------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 76 | Daug.       | 1056 | Rel.      | 99 %         | <b>SPI</b> | <b>-1013</b> |
| Number controls             |            | <b>BV</b> |    | Milk        |      | Fat       | %            | Prot.      | %            |
| <b>19162</b>                |            |           |    | <b>-120</b> |      | <b>-8</b> | <b>-0,08</b> | <b>-1</b>  | <b>-0,14</b> |
|                             |            |           |    |             |      |           |              | <b>SCS</b> | <b>3,45</b>  |
|                             |            |           |    |             |      |           |              | rank       | 1068.        |

|                  |             |       |         |       |     |      |      |      |             |             |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 62 / 24 | Daug. | 331 | 77,1 | Rel. | 96 % | <b>TYPE</b> | <b>0,11</b> |
|                  |             |       |         |       |     |      |      |      | rank        | 433.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,04  |    |    |   |    |    |
| Angularity            | 0,48  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | 0,49  |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | -0,94 |    |    |   |    |    |
| Teat Length           | 0,82  |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | -0,69 |    |    |   |    |    |
| Udder Depth           | 0,30  |    |    |   |    |    |
| Rump Width            | -0,21 |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | -0,99 |    |    |   |    |    |
| Locomotion            | -0,39 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>1,01</b>  |
| 76,0 | <b>Dairy Strength</b>  | <b>1,23</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-0,45</b> |
| 75,6 | <b>Udder</b>           | <b>-0,91</b> |
|      | <b>SHI</b>             | <b>-26,2</b> |
|      | rank                   | 445.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>BURKET-FALLS NO-NOX RED-ET</b> | <b>US000002208575</b>             | <b>16.09.1992</b> | <b>CDR-001</b> |
| Country of origin                 | US                                | <b>Breed</b>      | R100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 08.07.1993     |
|                                   |                                   | USA               | IG185763B      |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | WALKWAY CHIEF MARK            |
| WINE-RIDGE CONCORD-ET     |            | US000001773417                |
| US000002030202            | <b>PGD</b> | DIRKSLAND JOAN                |
|                           |            | US000010864604                |
| <b>Dam</b>                | <b>MGS</b> | TO-MAR BLACKSTAR-ET           |
| BURKET FALLS BS SAVINA-ET |            | US000001929410                |
| US000014475800            | <b>MGD</b> | BURKET-FALLS GE SHAINA-RED-ET |
|                           |            | US000013413753                |
|                           |            | CHR-002                       |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 86  | Rel. | 92 %  | <b>SPI</b> | -1025      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 1732                        |            |           |    | -193  | 1   | 0,15 | -12   | -0,15      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 654.       |
|                             |            |           |    |       |     |      |       |            | 273.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 12 | 75,9 | Rel. | 62 % | <b>TYPE</b> | 0,10 |
|                  |             |       |       |       |    |      |      |      | rank        | 434. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,04  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | 0,91  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | -0,18 |    |    |   |    |    |
| Foot Angle            | -0,54 |    |    |   |    |    |
| Fore Udder Attachment | -0,17 |    |    |   |    |    |
| Front Teat Placement  | -1,01 |    |    |   |    |    |
| Teat Length           | 0,66  |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | -0,58 |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | 0,00  |    |    |   |    |    |
| Rear Legs Rear View   | -0,42 |    |    |   |    |    |
| Rear Teat Placement   | -0,21 |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,3 | <b>Frame</b>           | 0,31  |
| 73,5 | <b>Dairy Strength</b>  | 1,41  |
| 77,2 | <b>Feet &amp; Legs</b> | -0,96 |
| 74,5 | <b>Udder</b>           | -0,42 |
|      | <b>SHI</b>             | -26,9 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>ROKLANE BLACKSTAR,ZEKE</b> | <b>US000002124369</b>             | <b>30.11.1989</b> | <b>BS-026</b>  |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 13.09.1990     |
|                               |                                   | USA               | IG144224E      |

### Pedigree

|                         |                 |                             |
|-------------------------|-----------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b>      | CAL-CLARK BOARD CHAIRMAN    |
| TO-MAR BLACKSTAR-ET     | US000001723741  | ADM-008                     |
| US000001929410          | <b>PGD</b>      | TO-MAR WAYNE HAY            |
| CHR-002                 | US000009804790  |                             |
| <b>Dam</b>              | <b>MGS</b>      | WHITTIER-FARMS NED BOY      |
| ROKLANE NED BOY ZETA-ET | US000001806201  |                             |
| US0000013217283         | <b>MGD</b>      | ROKLANE MISS CONNYS BETA-ET |
|                         | US0000012516890 |                             |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 54 | Daug. | 413 | Rel. | 98 %  | <b>SPI</b> | -1985 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>8150</b>                 |            |           |    | -288  |     | -22  | -0,22 | -16        | -0,16 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,66  |
|                             |            |           |    |       |     |      |       | rank       | 1187. |

|                  |             |       |         |       |    |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 24 / 15 | Daug. | 74 | 77,5 | Rel. | 88 % | <b>TYPE</b> | 0,10 |
|                  |             |       |         |       |    |      |      |      | rank        | 435. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    | ■ |    |    |
| Angularity            | 0,13  |    |    | ■ |    |    |
| Chest Width           | -0,04 |    |    | ■ |    |    |
| Body Depth            | 0,20  |    |    | ■ |    |    |
| Rump Angle            | -0,16 |    |    | ■ |    |    |
| Rear Legs Side View   | -0,50 |    |    | ■ |    |    |
| Foot Angle            | -0,12 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,41 |    |    | ■ |    |    |
| Front Teat Placement  | 0,47  |    |    | ■ |    |    |
| Teat Length           | 0,51  |    |    | ■ |    |    |
| Rear Udder Height     | -0,66 |    |    | ■ |    |    |
| Rear Udder Width      | -0,67 |    |    | ■ |    |    |
| Central Ligament      | 0,95  |    |    | ■ |    |    |
| Udder Depth           | -0,29 |    |    | ■ |    |    |
| Rump Width            | -0,03 |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,16  |    |    | ■ |    |    |
| Rear Teat Placement   | -0,06 |    |    | ■ |    |    |
| Locomotion            | 0,02  |    |    | ■ |    |    |
| Body Condition        | -0,18 |    |    | ■ |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,0 | <b>Frame</b>           | -0,23 |
| 75,4 | <b>Dairy Strength</b>  | 0,72  |
| 78,7 | <b>Feet &amp; Legs</b> | -0,38 |
| 76,7 | <b>Udder</b>           | 0,27  |
|      | <b>SHI</b>             | -56,0 |
|      | rank                   | 522.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>TIMOLEON-ET</b> | <b>FR005925822169</b> | <b>01.07.2002</b> | <b>MZA-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 06.11.2002 |
|                   |                                   | FRA          | 138211     |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| MONZA          |            | US000002071864               |
| FR005996002810 |            | CLE-005                      |
| LU-015         | <b>PGD</b> | SFL LEADMAN COLEEN           |
|                |            | US000014228152               |
| <b>Dam</b>     | <b>MGS</b> | ETAZON ADDISON-ET            |
| RISLY          |            | NL000839380546               |
| FR002941264287 | <b>MGD</b> | MONICA                       |
|                |            | FR002996001670               |

|                             |            |           |            |            |             |          |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>148</b> | Daug.      | <b>4124</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1267</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      | %            | rank       | 195.        |
| <b>84058</b>                |            |           |            | <b>459</b> |             | <b>0</b> | <b>-0,31</b> | <b>SCS</b> | <b>2,38</b> |
|                             |            |           |            |            |             |          |              | rank       | 37.         |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>91 / 31</b> | Daug. | <b>704</b> | 79,5 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>0,10</b> |
|                  |             |       |                |       |            |      |      | rank        | 436.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,62 |    |    |   |    |    |
| Angularity            | 0,41  |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | -0,63 |    |    |   |    |    |
| Rump Angle            | 0,81  |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | 0,36  |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,09  |    |    |   |    |    |
| Rear Udder Height     | 0,43  |    |    |   |    |    |
| Rear Udder Width      | 0,50  |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 0,04  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,33  |    |    |   |    |    |
| Locomotion            | 0,25  |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 82,1 | <b>Frame</b> | <b>-1,04</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,4 | <b>Dairy Strength</b> | <b>-0,41</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,6 | <b>Feet &amp; Legs</b> | <b>0,51</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>1,04</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>42,1</b> |
|--|------------|-------------|

rank 225.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>SUBLIEM TULIP RED</b> | <b>NL000815222426</b> | <b>26.09.1992</b> | <b>NIK-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 12.02.1993 |
|                   |                                   | NLD          | 815222426  |

### Pedigree

|                        |            |                        |
|------------------------|------------|------------------------|
| <b>Sire</b>            | <b>PGS</b> | TO-MAR BLACKSTAR-ET    |
| DOMAR NIGHTHAWK        |            | US000001929410         |
| CA000005004326         | <b>PGD</b> | DOMAR ENHANCER KIM RED |
|                        |            | CA000004062945         |
| <b>Dam</b>             | <b>MGS</b> | E-D TONTO CAVALIER     |
| BATENBURG BAT TINA 824 |            | US000000022235         |
| NL000458657432         | <b>MGD</b> | TINA                   |
|                        |            | DE001015070499         |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 31 | Daug. | 264 | Rel. | 97 % | <b>SPI</b> | -2033 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>5298</b>                 |            |           |    | -797  |     | 3    | 0,73 | -16        | 0,22  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,92  |
|                             |            |           |    |       |     |      |      | rank       | 883.  |
|                             |            |           |    |       |     |      |      | rank       | 420.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 3 | Daug. | 13 | 76,3 | Rel. | 72 % | <b>TYPE</b> | 0,10 |
|                  |             |       |       |       |    |      |      |      | rank        | 437. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,78 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | 0,15  |    |    |   |    |    |
| Rear Legs Side View   | 0,82  |    |    |   |    |    |
| Foot Angle            | -0,79 |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | 1,39  |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | 0,50  |    |    |   |    |    |
| Rear Udder Width      | 0,54  |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,36  |    |    |   |    |    |
| Rump Width            | -0,37 |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 0,65  |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,5 | <b>Frame</b>           | -0,86 |
| 74,4 | <b>Dairy Strength</b>  | 0,64  |
| 77,2 | <b>Feet &amp; Legs</b> | -1,76 |
| 75,9 | <b>Udder</b>           | 1,43  |
|      | <b>SHI</b>             | -57,5 |
|      | rank                   | 527.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>BARNKAMPER SUPPORT</b> | <b>NL000343990114</b>             | <b>13.07.2002</b> | <b>PAT-003</b> |
| Country of origin         | NL                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | NL 505836      |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | BRABANT STAR PATRON-ET     |
| BULLCREST PATRON SABRE |            | US000002160458             |
| US000017253930         | <b>PGD</b> | BULLCREST 845 ROEBUCK 1235 |
|                        |            | US000015330466             |
| <b>Dam</b>             | <b>MGS</b> | NEWHOUSE RONALD            |
| BARNKAMPER MARILYN 27  |            | NL000777430664             |
| NL000222773324         | <b>MGD</b> | BARNKAMPER MARILYN 5       |
|                        |            | NL000199057513             |

|                             |            |           |   |       |     |      |       |            |            |
|-----------------------------|------------|-----------|---|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 5 | Daug. | 48  | Rel. | 88 %  | <b>SPI</b> | -1017      |
| Number controls             |            | <b>BV</b> |   | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>945</b>                  |            |           |   | -347  | -7  | 0,12 | -6    | 0,12       | <b>SCS</b> |
|                             |            |           |   |       |     |      |       |            | rank       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 2 | Daug. | 42 | 79,7 | Rel. | 76 % | <b>TYPE</b> | 0,10 |
|                  |             |       |       |       |    |      |      |      | rank        | 438. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | 0,46  |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | 1,19  |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | -0,18 |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | -0,33 |    |    |   |    |    |
| Teat Length           | 0,17  |    |    |   |    |    |
| Rear Udder Height     | 0,08  |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 1,42  |    |    |   |    |    |
| Udder Depth           | -0,34 |    |    |   |    |    |
| Rump Width            | 0,94  |    |    |   |    |    |
| Rear Legs Rear View   | 0,73  |    |    |   |    |    |
| Rear Teat Placement   | 1,07  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,8 | <b>Frame</b>           | 0,34  |
| 79,4 | <b>Dairy Strength</b>  | -0,84 |
| 80,9 | <b>Feet &amp; Legs</b> | -0,28 |
| 78,3 | <b>Udder</b>           | 0,43  |
|      | <b>SHI</b>             | -26,9 |
|      | rank                   | 448.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                            |                   |                       |
|----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                 | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RODENBERG EMORY NEWTON-ET</b> | <b>US000017012161</b>      | <b>21.03.1996</b> | <b>EMY-001</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.12.1996 |
|                   |                                   | USA          | IG2283318  |

### Pedigree

|                        |            |                               |         |
|------------------------|------------|-------------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | TO-MAR BLACKSTAR-ET           |         |
| MJR BLACKSTAR EMORY-ET |            | US000001929410                | CHR-002 |
| US000002114601         | <b>PGD</b> | MJR ROTATE ELSIE              |         |
|                        |            | US000012600262                |         |
| <b>Dam</b>             | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| MARYLINE MASCOT NAN-ET |            | US000002020049                | NBY-011 |
| US000014912940         | <b>MGD</b> | MARYLINE C-B GEM              |         |
|                        |            | US000011641318                |         |

|                             |            |           |    |       |      |      |       |            |      |
|-----------------------------|------------|-----------|----|-------|------|------|-------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 85 | Daug. | 1567 | Rel. | 99 %  | <b>SPI</b> | -817 |
| Number controls             |            | <b>BV</b> |    | Milk  |      | Fat  | %     | rank       | 605. |
| <b>32671</b>                |            |           |    | -71   |      | -12  | -0,19 | <b>SCS</b> | 2,94 |
|                             |            |           |    |       |      | -6   | -0,09 | rank       | 457. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 82 / 28 | Daug. | 629 | 78,2 | Rel. | 98 % | <b>TYPE</b> | 0,09 |
|                  |             |       |         |       |     |      |      | rank | 439.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,83  |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | -0,98 |    |    |   |    |    |
| Body Depth            | -1,23 |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | 0,25  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | 0,30  |    |    |   |    |    |
| Rump Width            | 0,70  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 81,5 | <b>Frame</b>           | 0,37  |
|                 | 77,6 | <b>Dairy Strength</b>  | -1,59 |
|                 | 78,3 | <b>Feet &amp; Legs</b> | 0,12  |
|                 | 76,9 | <b>Udder</b>           | 0,59  |
|                 |      | <b>SHI</b>             | -21,0 |
|                 |      | rank                   | 431.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>OL.VERANTI</b> | <b>NL000368472271</b>             | <b>30.06.2004</b> | <b>FLN-004</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 18.11.2004     |
|                   |                                   | NLD               | 120008         |

### Pedigree

|                     |            |                            |
|---------------------|------------|----------------------------|
| <b>Sire</b>         | <b>PGS</b> | MOSSYS ELM PARK FLANO RED  |
| ELM-PARK AVANTI-RED |            | US000002153299             |
| US000123485890      | <b>PGD</b> | VIR-CLAR AMANDA            |
|                     |            | US000014889840             |
| <b>Dam</b>          | <b>MGS</b> | AGRIPRIZE CADI MESA-RED-ET |
| VERONA              |            | US000002252648             |
| DE000579188714      | <b>MGD</b> | VERA                       |
|                     |            | DE000578281086             |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 88  | Rel.  | 92 %  | <b>SPI</b> | -2079      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>1623</b>                 |            |           |    | -535  | -20 | -0,01 | -12   | 0,10       | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 169.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 12 | 77,8 | Rel. | 52 % | <b>TYPE</b> | 0,09 |
|                  |             |       |       |       |    |      |      |      | rank        | 440. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,01 |    |    |   |    |    |
| Angularity            | -0,39 |    |    |   |    |    |
| Chest Width           | -0,26 |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -0,17 |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | 0,65  |    |    |   |    |    |
| Teat Length           | -0,21 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | -0,13 |    |    |   |    |    |
| Udder Depth           | -0,37 |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | 0,94  |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,5 | <b>Frame</b>           | -0,28 |
| 76,9 | <b>Dairy Strength</b>  | -0,62 |
| 79,1 | <b>Feet &amp; Legs</b> | 0,33  |
| 76,8 | <b>Udder</b>           | 0,40  |
|      | <b>SHI</b>             | -59,1 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>MARKWELL RAMSES-ET</b> | <b>US000018016696</b> | <b>04.05.1997</b> | <b>RUH-012</b> |

|                   |                |              |             |
|-------------------|----------------|--------------|-------------|
| Country of origin | US             | <b>Breed</b> | H100        |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA          |
|                   |                | Paternity    | 10.02.1998  |
|                   |                | CAN          | BTIG239784A |

### Pedigree

|   |            |   |         |
|---|------------|---|---------|
| <b>Sire</b>                                       | <b>PGS</b> | MADAWASKA AEROSTAR<br>CA000000383622    | STB-011 |
| STARTMORE RUDOLPH-ET<br>CA000005470579<br>ARS-015 | <b>PGD</b> | STARTMORE RACHELLE-ET<br>CA000004324253 |         |
| <b>Dam</b>  | <b>MGS</b> | TO-MAR BLACKSTAR-ET<br>US000001929410   | CHR-002 |
| MARKWELL BSTAR E RAVEN-ET<br>US000014435688       | <b>MGD</b> | MARKWELL MARK ELITE<br>US000012568225   |         |

|                             |            |           |    |       |    |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 10 | Daug. | 66 | Rel. | 90 %  | <b>SPI</b> | -992        |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  |       | rank       | 642.        |
| <b>1430</b>                 |            |           |    | -219  |    | -16  | -0,16 | <b>SCS</b> | <b>3,28</b> |
|                             |            |           |    |       |    |      |       | rank       | 897.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 4 | Daug. | 42 | 79,3 | Rel. | 77 % | <b>TYPE</b> | 0,09 |
|                  |             |       |        |       |    |      |      | rank | 441.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,62  |    |    |   |    |    |
| Angularity            | 0,66  |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 1,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,36  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | -0,49 |    |    |   |    |    |
| Front Teat Placement  | -0,62 |    |    |   |    |    |
| Teat Length           | 0,12  |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | -0,12 |    |    |   |    |    |
| Central Ligament      | -0,65 |    |    |   |    |    |
| Udder Depth           | 0,35  |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 83,3 | <b>Frame</b>           | 0,49  |
|                 | 81,0 | <b>Dairy Strength</b>  | 1,16  |
|                 | 80,0 | <b>Feet &amp; Legs</b> | -0,55 |
|                 | 76,0 | <b>Udder</b>           | -0,50 |
|                 |      | <b>SHI</b>             | -26,3 |
|                 |      | rank                   | 446.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>KOERIER 114</b> | <b>NL000846833002</b>             | <b>07.08.1993</b> | <b>SOG-002</b> |
| Country of origin  | NL                                | <b>Breed</b>      | R100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 14.08.1998     |
|                    |                                   | NLD               | 846833002      |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | HANOVERHILL STARBUCK |
| STOLLBERG      |            | CA000000352790       |
| DE000605543976 | <b>PGD</b> | ISETTA 256           |
|                |            | DE000754932446       |
| <b>Dam</b>     | <b>MGS</b> | E-D THOR-RED         |
| TRIX 152 RED   |            | US000000012040       |
| NL000457734323 | <b>MGD</b> | TRIX 101             |
|                |            | NL000452814219       |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 79 | Daug. | 717 | Rel. | 99 %  | <b>SPI</b> | -592       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>15921</b>                |            |           |    | -290  | 2   | 0,24 | -4    | 0,12       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1135.      |

|                  |             |       |        |       |     |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 7 | Daug. | 103 | 76,4 | Rel. | 90 % | <b>TYPE</b> | 0,09 |
|                  |             |       |        |       |     |      |      |      | rank        | 442. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,75  |    |    |   |    |    |
| Angularity            | -0,38 |    |    |   |    |    |
| Chest Width           | 0,85  |    |    |   |    |    |
| Body Depth            | 0,53  |    |    |   |    |    |
| Rump Angle            | -1,33 |    |    |   |    |    |
| Rear Legs Side View   | -0,69 |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | -0,66 |    |    |   |    |    |
| Rear Udder Height     | -0,54 |    |    |   |    |    |
| Rear Udder Width      | -0,22 |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | 0,07  |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | 0,72  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,8 | <b>Frame</b>           | 1,18  |
| 74,8 | <b>Dairy Strength</b>  | -0,04 |
| 78,0 | <b>Feet &amp; Legs</b> | 0,05  |
| 74,6 | <b>Udder</b>           | -0,97 |
|      | <b>SHI</b>             | -14,3 |
|      | rank                   | 409.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>LUBLINA-ET</b> | <b>DE000578590282</b>      | <b>25.08.1999</b> | <b>LOG-004</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | DE                                | <b>Breed</b>     | R100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 06.10.1999 |
|                          |                                   | <b>DEU</b>       | 99/12097   |

### Pedigree

|                    |                |                             |
|--------------------|----------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b>     | SHADY-LAWN-U LOGIC RED-ET   |
| MASAL LUCKY RED-ET | US000002034426 | SUN-003                     |
| US000002228267     | <b>PGD</b>     | DERRWYN CENTRA SASSY RED-ET |
|                    | US000013630917 |                             |
| <b>Dam</b>         | <b>MGS</b>     | VIS                         |
| BATAVIA            | DE000505350113 |                             |
| DE000506050725     | <b>MGD</b>     | BEA                         |
|                    | DE000505330925 |                             |

|                             |            |              |    |              |    |             |      |             |       |
|-----------------------------|------------|--------------|----|--------------|----|-------------|------|-------------|-------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 45 | <b>Daug.</b> | 87 | <b>Rel.</b> | 91 % | <b>SPI</b>  | -1984 |
| <b>Number controls</b>      |            | <b>BV</b>    |    | <b>Milk</b>  |    | <b>Fat</b>  |      | <b>%</b>    |       |
| 1630                        |            |              |    | -557         |    | -6          |      | 0,30        |       |
|                             |            | <b>Prot.</b> |    |              |    | <b>%</b>    |      | <b>rank</b> | 873.  |
|                             |            |              |    |              |    | -16         |      | <b>SCS</b>  | 3,13  |
|                             |            |              |    |              |    |             |      | <b>rank</b> | 696.  |

|                  |             |              |       |              |    |      |             |             |             |      |
|------------------|-------------|--------------|-------|--------------|----|------|-------------|-------------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 7 / 6 | <b>Daug.</b> | 11 | 77,3 | <b>Rel.</b> | 51 %        | <b>TYPE</b> | 0,09 |
|                  |             |              |       |              |    |      |             | <b>rank</b> | 443.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | 1,25  |    |    |   |    |    |
| Body Depth            | 0,89  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,85  |    |    |   |    |    |
| Fore Udder Attachment | -0,89 |    |    |   |    |    |
| Front Teat Placement  | -0,44 |    |    |   |    |    |
| Teat Length           | -0,16 |    |    |   |    |    |
| Rear Udder Height     | -0,98 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | -0,01 |    |    |   |    |    |
| Udder Depth           | -0,92 |    |    |   |    |    |
| Rump Width            | 0,33  |    |    |   |    |    |
| Rear Legs Rear View   | 0,42  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | 0,80  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,3 | <b>Frame</b>           | 1,64  |
| 78,1 | <b>Dairy Strength</b>  | -0,04 |
| 79,0 | <b>Feet &amp; Legs</b> | 0,94  |
| 73,3 | <b>Udder</b>           | -1,63 |
|      | <b>SHI</b>             | -56,3 |
|      | <b>rank</b>            | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                      |                   |                |
|---------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number  | Birth date        | State Register |
| <b>RICHESS STRAUSS-ET</b> | <b>CA00006508943</b> | <b>15.06.1996</b> | <b>CES-004</b> |
| Country of origin         | CA                   | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.       | Herdbook          | HA             |
|                           |                      | Paternity         | 27.09.1996     |
|                           |                      | CAN               | BT379873       |

### Pedigree

|                        |            |                              |
|------------------------|------------|------------------------------|
| <b>Sire</b>            | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| ETAZON CELSIUS-ET      |            | US000001874634               |
| NL000460508522         | <b>PGD</b> | WEA-LAND BELL ELLA           |
|                        |            | US000012105357               |
| <b>Dam</b>             | <b>MGS</b> | MEADOLAKE JUBILANT-ET        |
| GOLOISE STORA JUBILANT |            | CA000000376455               |
| CA000004766707         | <b>MGD</b> | GOLOISE SUBY STARBUCK        |
|                        |            | CA000004447973               |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 232 | Rel. | 97 % | <b>SPI</b> | -1327 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>4392</b>                 |            |           |    | -417  |     | -5   | 0,21 | -9         | 0,08  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,20  |
|                             |            |           |    |       |     |      |      | rank       | 719.  |
|                             |            |           |    |       |     |      |      | rank       | 786.  |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 26 | 78,2 | Rel. | 69 % | <b>TYPE</b> | 0,08 |
|                  |             |       |       |       |    |      |      |      | rank        | 444. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,37  |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | -0,38 |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | -0,50 |    |    |   |    |    |
| Rear Legs Side View   | -0,13 |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | 0,05  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | 0,52  |    |    |   |    |    |
| Rear Udder Height     | 0,18  |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | -0,91 |    |    |   |    |    |
| Udder Depth           | -1,02 |    |    |   |    |    |
| Rump Width            | -0,19 |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>0,30</b>  |
| 76,3 | <b>Dairy Strength</b>  | <b>-0,78</b> |
| 78,8 | <b>Feet &amp; Legs</b> | <b>0,41</b>  |
| 77,0 | <b>Udder</b>           | <b>0,31</b>  |
|      | <b>SHI</b>             | <b>-36,7</b> |
|      | rank                   | 466.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>RIMLING</b>    | <b>FR002228044264</b>             | <b>27.03.2000</b> | <b>LU-017</b>  |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.02.2002     |
|                   |                                   | FRA               | GS791436       |

### Pedigree

|                    |            |                              |
|--------------------|------------|------------------------------|
| <b>Sire</b>        | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| RICECREST LANTZ-ET |            | US000002071864               |
| US000002266008     | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET  |
| LU-011             |            | US000014334791               |
| <b>Dam</b>         | <b>MGS</b> | WELLS MASCOT CORKY-ET        |
| OLIVIA             |            | US000002203438               |
| FR002298001617     | <b>MGD</b> | MARINETTE                    |
|                    |            | FR002296001583               |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>42</b> | Daug.      | <b>87</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>421</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 343.        |
| <b>1932</b>                 |            |           |           | <b>123</b> |           | <b>-1</b> | <b>-0,11</b> | <b>SCS</b> | <b>3,57</b> |
|                             |            |           |           |            |           | <b>4</b>  | <b>0,00</b>  | rank       | 1143.       |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 11</b> | Daug. | <b>26</b> | 77,8 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>0,08</b> |
|                  |             |       |                |       |           |      |      | rank        | 445.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,05 |    |    |   |    |    |
| Angularity            | -0,79 |    |    |   |    |    |
| Chest Width           | 0,60  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | 0,10  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | 0,41  |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,78 |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | -0,60 |    |    |   |    |    |
| Rear Udder Width      | -0,46 |    |    |   |    |    |
| Central Ligament      | 1,77  |    |    |   |    |    |
| Udder Depth           | -0,55 |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 0,41  |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | 0,15  |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,1 | <b>Frame</b>           | <b>0,23</b>  |
| 76,8 | <b>Dairy Strength</b>  | <b>-0,84</b> |
| 79,5 | <b>Feet &amp; Legs</b> | <b>0,98</b>  |
| 76,4 | <b>Udder</b>           | <b>0,05</b>  |
|      | <b>SHI</b>             | <b>16,0</b>  |
|      | rank                   | 307.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TESMAN ET</b>  | <b>SK000046808853</b> | <b>14.03.1995</b> | <b>TES-002</b> |
| Country of origin | SK                    | <b>Breed</b>      | H100           |
| Distributor       | Slovensko             | Herdbook          | HA             |
|                   |                       | Paternity         | 18.03.1996     |
|                   |                       | SVK               | 0210/13        |

### Pedigree

|                              |            |                              |
|------------------------------|------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | S-W-D VALIANT                |
| TESK-HOLM VALIANT ROCKIE     |            | US000001650414               |
| US000001841366               | <b>PGD</b> | HOUVALE APOLLO GAIL          |
| VAL-016                      |            | US000008985852               |
| <b>Dam</b>                   | <b>MGS</b> | LEKKER IVANHOE BELL JESSE-ET |
| RUANN JESSE LORELEI 88207-ET |            | US000001842389               |
| US000013350496               | <b>MGD</b> | RUANN GOLDEN NUGGET LASS     |
|                              |            | US000010532369               |

|                             |            |           |           |             |            |              |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>61</b> | Daug.       | <b>205</b> | Rel.         | <b>97 %</b> | <b>SPI</b> | <b>-1332</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat          | %           | rank       | 720.         |
| <b>4383</b>                 |            |           |           | <b>-192</b> | <b>-14</b> | <b>-0,15</b> | <b>-11</b>  | <b>SCS</b> | <b>3,84</b>  |
|                             |            |           |           |             |            |              |             | rank       | 1225.        |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 15</b> | Daug. | <b>28</b> | 77,5 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>0,08</b> |
|                  |             |       |                |       |           |      |      | rank        | 446.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,18  |    |    |   |    |    |
| Angularity            | -0,22 |    |    |   |    |    |
| Chest Width           | 0,84  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | 1,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,58 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | 1,41  |    |    |   |    |    |
| Rear Udder Height     | 0,00  |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | -0,91 |    |    |   |    |    |
| Udder Depth           | -0,51 |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | -0,41 |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>1,67</b>  |
| 74,5 | <b>Dairy Strength</b>  | <b>-0,18</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>-0,21</b> |
| 76,5 | <b>Udder</b>           | <b>-0,77</b> |
|      | <b>SHI</b>             | <b>-37,0</b> |
|      | rank                   | 468.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>FAUNUS</b>     | <b>CZ000100965481</b> | <b>22.01.2001</b> | <b>ELN-007</b> |
| Country of origin | CZ                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 18.06.2001     |
|                   |                       | CSK               | 4823/35        |

### Pedigree

|                     |            |                         |
|---------------------|------------|-------------------------|
| <b>Sire</b>         | <b>PGS</b> | EMPRISE BELL ELTON      |
| WA-DEL CONVINCER-ET |            | US000001912270          |
| US000002249055      | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET |
| ELN-002             |            | US000013372706          |
| <b>Dam</b>          | <b>MGS</b> | HA-HO CUBBY MANFRED-ET  |
| CZ000005021441      |            | US000002183007          |
|                     | <b>MGD</b> | CZ000097279421          |

|                             |            |           |    |             |          |             |            |              |             |
|-----------------------------|------------|-----------|----|-------------|----------|-------------|------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 32 | Daug.       | 98       | Rel.        | 92 %       | <b>SPI</b>   | <b>-905</b> |
| Number controls             |            | <b>BV</b> |    | Milk        |          | Fat         | %          | Prot.        | %           |
| <b>1853</b>                 |            |           |    | <b>-158</b> | <b>5</b> | <b>0,20</b> | <b>-13</b> | <b>-0,18</b> | <b>SCS</b>  |
|                             |            |           |    |             |          |             |            |              | rank        |
|                             |            |           |    |             |          |             |            |              | 626.        |
|                             |            |           |    |             |          |             |            |              | <b>3,17</b> |
|                             |            |           |    |             |          |             |            |              | rank        |
|                             |            |           |    |             |          |             |            |              | 755.        |

|                  |             |       |       |       |    |      |      |      |             |             |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 16 | 78,6 | Rel. | 58 % | <b>TYPE</b> | <b>0,07</b> |
|                  |             |       |       |       |    |      |      |      | rank        | 447.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,84  |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | 0,09  |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | 0,84  |    |    |   |    |    |
| Teat Length           | -1,29 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | 0,71  |    |    |   |    |    |
| Udder Depth           | -0,20 |    |    |   |    |    |
| Rump Width            | 0,02  |    |    |   |    |    |
| Rear Legs Rear View   | -0,79 |    |    |   |    |    |
| Rear Teat Placement   | 1,54  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

daught. average

81,7 **Frame** **0,76**

78,8 **Dairy Strength** **0,21**

76,3 **Feet & Legs** **-0,44**

78,2 **Udder** **0,05**

**SHI** **-24,5**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>OTHMAN</b>     | <b>FR007998040997</b>             | 11.02.1998   | <b>BAX-001</b> |
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | ...            |

### Pedigree

|                           |                |                               |
|---------------------------|----------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN    |
| END-ROAD LEADMAN BARLO-ET | US000001983348 | TDN-004                       |
| US000002161907            | <b>PGD</b>     | END-ROAD ROYALTY BINGO        |
|                           | US000013115719 |                               |
| <b>Dam</b>                | <b>MGS</b>     | SINGING-BROOK N-BOY MASCOT-ET |
| BELLE COT                 | US000002020049 | NBY-011                       |
| FR008593024134            | <b>MGD</b>     | BELLE LISE                    |
|                           | FR008591024165 |                               |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 119 | Rel.  | 94 % | <b>SPI</b> | 119         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 2333                        |            |           |    | 257   | -13 | -0,41 | 2    | -0,14      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 403.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 1149.       |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 8 | Daug. | 18 | 77,8 | Rel. | 59 % | <b>TYPE</b> | 0,06 |
|                  |             |       |        |       |    |      |      |      | rank        | 448. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,01 |    |    |   |    |    |
| Angularity            | -0,79 |    |    |   |    |    |
| Chest Width           | 0,88  |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | 0,85  |    |    |   |    |    |
| Foot Angle            | 0,89  |    |    |   |    |    |
| Fore Udder Attachment | -0,65 |    |    |   |    |    |
| Front Teat Placement  | -0,08 |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | -0,30 |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | 0,67  |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | 0,27  |    |    |   |    |    |
| Rear Legs Rear View   | -0,40 |    |    |   |    |    |
| Rear Teat Placement   | 0,33  |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>0,51</b>  |
| 75,2 | <b>Dairy Strength</b>  | <b>-1,26</b> |
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,29</b>  |
| 76,8 | <b>Udder</b>           | <b>0,03</b>  |
|      | <b>SHI</b>             | <b>6,1</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>RICECREST MARTY-ET</b> | <b>US000002231562</b>             | <b>07.03.1993</b> | <b>TES-007</b> |
| Country of origin         | US                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 30.11.1993     |
|                           |                                   | USA               | IG191010A      |

### Pedigree

#### Sire

TESK-HOLM VALIANT ROCKIE  
US000001841366  
VAL-016

**PGS** S-W-D VALIANT  
US000001650414  
**PGD** HOUVALE APOLLO GAIL  
US000008985852

#### Dam

WA-DEL RC BLCKSTR MARTHA-ET  
US000013907649

**MGS** TO-MAR BLACKSTAR-ET  
US000001929410 **CHR-002**  
**MGD** VALHALLA MARK MITZY-ET  
US000012677418

|                             |            |           |           |            |             |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>80</b> | Daug.      | <b>1359</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>569</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      |              | rank       | 318.         |
| <b>26389</b>                |            |           |           | <b>332</b> |             | <b>3</b> | <b>-0,19</b> | <b>1</b>   | <b>-0,21</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>2,90</b>  |
|                             |            |           |           |            |             |          |              | rank       | 398.         |

|                  |             |       |                 |       |            |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>136 / 35</b> | Daug. | <b>686</b> | 77,8 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>0,06</b> |
|                  |             |       |                 |       |            |      |      | rank        | 449.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,73 |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | 0,50  |    |    |   |    |    |
| Body Depth            | -0,01 |    |    |   |    |    |
| Rump Angle            | -0,01 |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | 0,53  |    |    |   |    |    |
| Front Teat Placement  | -0,56 |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | 0,39  |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,44  |    |    |   |    |    |
| Udder Depth           | 0,67  |    |    |   |    |    |
| Rump Width            | 0,78  |    |    |   |    |    |
| Rear Legs Rear View   | 0,37  |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | -0,67 |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

daught. average

79,2 **Frame** **-0,50**

77,2 **Dairy Strength** **-0,27**

77,7 **Feet & Legs** **-0,73**

77,5 **Udder** **1,00**

**SHI** **19,5**

rank 294.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>CLAYTOP ADDICTION RED-ET</b> | <b>US000017143107</b> | <b>24.06.1996</b> | <b>BSR-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.08.1997 |
|                   |                                   | USA          | IG235631A  |

### Pedigree

|                          |            |                              |         |
|--------------------------|------------|------------------------------|---------|
| <b>Sire</b>              | <b>PGS</b> | TO-MAR BLACKSTAR-ET          |         |
| J-DON B STAR ADONIS-ET   |            | US000001929410               | CHR-002 |
| US000002129672           | <b>PGD</b> | J-DON ENHANCER PRECIOUS-RED  |         |
|                          |            | US000013371741               |         |
| <b>Dam</b>               | <b>MGS</b> | MADAWASKA AEROSTAR           |         |
| SFL AEROSTAR S LESLIE-ET |            | CA000000383622               | STB-011 |
| US000014676117           | <b>MGD</b> | S-F-L ENHANCER SCARLETTE-RED |         |
|                          |            | US000013089892               |         |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>136</b> | Daug.      | <b>2978</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>435</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |              | rank       | 340.        |
| <b>62984</b>                |            |           |            | <b>383</b> |             | <b>0</b>  | <b>-0,27</b> | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |            |            |             | <b>-1</b> | <b>-0,28</b> | rank       | 495.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>57 / 20</b> | Daug. | <b>639</b> | 77,7 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>0,06</b> |
|                  |             |       |                |       |            |      |      | rank        | 450.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,13 |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,73 |    |    |   |    |    |
| Body Depth            | -0,78 |    |    |   |    |    |
| Rump Angle            | -0,94 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,06  |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | -0,21 |    |    |   |    |    |
| Teat Length           | 1,14  |    |    |   |    |    |
| Rear Udder Height     | 0,75  |    |    |   |    |    |
| Rear Udder Width      | 0,67  |    |    |   |    |    |
| Central Ligament      | -0,76 |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | -0,65 |    |    |   |    |    |
| Rear Legs Rear View   | -0,54 |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

|                 |                        |              |
|-----------------|------------------------|--------------|
| daught. average |                        |              |
| 79,1            | <b>Frame</b>           | <b>-0,87</b> |
| 77,8            | <b>Dairy Strength</b>  | <b>-0,38</b> |
| 78,3            | <b>Feet &amp; Legs</b> | <b>-0,44</b> |
| 76,7            | <b>Udder</b>           | <b>1,25</b>  |
|                 | <b>SHI</b>             | <b>15,3</b>  |
|                 | rank                   | 311.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>EM-JO GINGO</b> | <b>CZ000114490761</b> | <b>08.09.2002</b> | <b>MNL-017</b> |
| Country of origin  | CZ                    | <b>Breed</b>      | H100           |
| Distributor        | INSEMAS s.r.o.        | Herdbook          | HA             |
|                    |                       | Paternity         | 13.03.2003     |
|                    |                       | CSK               | 39503          |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET |            | US000002119526              |
| US000002297473        | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007               |            | US000014334791              |
| <b>Dam</b>            | <b>MGS</b> | BRABANT STAR PATRON-ET      |
| OSTRETIN ALEXIS       |            | US000002160458              |
| CZ000068863502        | <b>MGD</b> | DE001021359487              |
|                       |            | BS-034                      |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 80  | Rel.  | 91 %  | <b>SPI</b> | -1716      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1515                        |            |           |    | -249  | -26 | -0,34 | -10   | -0,06      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 180.       |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 22 | 77,9 | Rel. | 67 % | <b>TYPE</b> | 0,05 |
|                  |             |       |       |       |    |      |      |      | rank        | 451. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,18 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | -1,48 |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | 0,91  |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | 1,46  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,38  |    |    |   |    |    |
| Udder Depth           | 0,81  |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | -0,29 |    |    |   |    |    |
| Rear Teat Placement   | 0,62  |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,27  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,2 | <b>Frame</b>           | -0,24 |
| 77,9 | <b>Dairy Strength</b>  | 0,04  |
| 76,7 | <b>Feet &amp; Legs</b> | -0,75 |
| 76,7 | <b>Udder</b>           | 0,68  |
|      | <b>SHI</b>             | -49,6 |
|      | rank                   | 504.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>COMESTAR CLASSIC-ET</b> | <b>CA000006575503</b> | <b>14.10.1996</b> | <b>BW-014</b>  |
| Country of origin          | CA                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 13.11.1996     |
|                            |                       | CAN               | 382506         |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET      |
| MAIZEFIELD BELLWOOD-ET     |            | US000001879149          |
| US000002103297             | <b>PGD</b> | BREN-WAY BELL BETSY     |
| MEW-004                    |            | US000012052401          |
| <b>Dam</b>                 | <b>MGS</b> | HANOVERHILL RAIDER-ET   |
| COMESTAR LAURANA RAIDER-ET |            | CA000000390409          |
| CA000005757129             | <b>MGD</b> | COMESTAR LAURA BLACK-ET |
|                            |            | CA000005319783          |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>26</b> | Daug.      | <b>125</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>633</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 312.         |
| <b>2718</b>                 |            |           |           | <b>327</b> |            | <b>-1</b> | <b>-0,26</b> | <b>3</b>   | <b>-0,15</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |            |            |           |              | rank       | 603.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 4</b> | Daug. | <b>18</b> | 78,8 | Rel. | <b>64 %</b> | <b>TYPE</b> | <b>0,05</b> |
|                  |             |       |              |       |           |      |      | rank        | 452.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,66  |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | 0,62  |    |    |   |    |    |
| Rear Legs Side View   | 0,76  |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,82 |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,47  |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | -1,02 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

83,0 **Frame** **0,94**

78,2 **Dairy Strength** **0,20**

79,6 **Feet & Legs** **0,33**

76,6 **Udder** **-0,74**

**SHI** **21,1**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MARIUS-ET</b>  | <b>DE000345461825</b>             | <b>05.02.2001</b> | <b>PEL-027</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.05.2001     |
|                   |                                   | DE                | 01/6674        |

### Pedigree

|                        |            |                              |
|------------------------|------------|------------------------------|
| <b>Sire</b>            | <b>PGS</b> | RONNYBROOK PRELUDE-ET        |
| CAROL PRELUDE MTOTO-ET |            | CA000000392457               |
| IT006001001962         | <b>PGD</b> | BLACKSTAR BETSY-ET           |
|                        |            | US000014459466               |
| <b>Dam</b>             | <b>MGS</b> | PEN SPRING MR C (UGELA BELL) |
| FIERE                  |            | US000001920807               |
| FR007290070703         | <b>MGD</b> | CINFORINE                    |
|                        |            | FR007287024672               |

|                             |            |           |           |           |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.     | <b>767</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>320</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat       | %            | rank       | 360.        |
| <b>17195</b>                |            |           |           | <b>80</b> |            | <b>-1</b> | <b>-0,08</b> | <b>4</b>   | <b>0,02</b> |
|                             |            |           |           |           |            |           |              | <b>SCS</b> | <b>2,39</b> |
|                             |            |           |           |           |            |           |              | rank       | 38.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 8</b> | Daug. | <b>69</b> | 78,9 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>0,05</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 453.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,79 |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | 0,43  |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | -0,68 |    |    |   |    |    |
| Front Teat Placement  | -0,38 |    |    |   |    |    |
| Teat Length           | 0,40  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | -0,27 |    |    |   |    |    |
| Central Ligament      | 1,17  |    |    |   |    |    |
| Udder Depth           | -0,72 |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,00 |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | 0,48  |    |    |   |    |    |
| Body Condition        | 0,11  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>-0,72</b> |
| 80,3 | <b>Dairy Strength</b>  | <b>1,20</b>  |
| 80,1 | <b>Feet &amp; Legs</b> | <b>1,34</b>  |
| 76,3 | <b>Udder</b>           | <b>-0,52</b> |
|      | <b>SHI</b>             | <b>11,6</b>  |
|      | rank                   | 328.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>HOMERE</b>     | <b>FR002292002752</b>             | <b>13.09.1992</b> | <b>MAS-003</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 07.12.1993     |
|                   |                                   | FRA               | GS520210       |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY       |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201               |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY     |
| NBY-011                       |            | US000011356580               |
| <b>Dam</b>                    | <b>MGS</b> | PEN SPRING MR C (UGELA BELL) |
| FUGELA                        |            | US000001920807               |
| FR002290042321                | <b>MGD</b> | CARLINDA                     |
|                               |            | FR002287024146               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>76</b> | Daug.       | <b>511</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1953</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | Prot.      | %            |
| <b>10219</b>                |            |           |           | <b>-457</b> |            | <b>-18</b> | <b>-0,01</b> | <b>-13</b> | <b>0,02</b>  |
|                             |            |           |           |             |            |            |              | <b>SCS</b> | <b>3,00</b>  |
|                             |            |           |           |             |            |            |              | rank       | 867.         |
|                             |            |           |           |             |            |            |              | rank       | 537.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 15</b> | Daug. | <b>81</b> | 77,4 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>0,05</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 454.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,05 |    |    |   |    |    |
| Angularity            | -0,38 |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,17  |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | -0,43 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | 1,25  |    |    |   |    |    |
| Teat Length           | -0,38 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | -0,17 |    |    |   |    |    |
| Rump Width            | -0,45 |    |    |   |    |    |
| Rear Legs Rear View   | -0,71 |    |    |   |    |    |
| Rear Teat Placement   | 0,64  |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | 0,15  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-1,13</b> |
| 75,2 | <b>Dairy Strength</b>  | <b>-0,65</b> |
| 78,2 | <b>Feet &amp; Legs</b> | <b>-0,00</b> |
| 77,4 | <b>Udder</b>           | <b>1,30</b>  |
|      | <b>SHI</b>             | <b>-57,0</b> |
|      | rank                   | 525.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                            |                   |                       |
|----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                 | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>OUR-FAVORITE D BOY GEORGE</b> | <b>US000132950253</b>      | <b>04.06.2002</b> | <b>BW-037</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 05.12.2002 |
|                   |                                   | US           | 636328     |

### Pedigree

|                         |            |                           |         |
|-------------------------|------------|---------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET    |         |
| SILDAHL BW DUTCH BOY-ET |            | US000002103297            | MEW-004 |
| US000017058140          | <b>PGD</b> | BALLAND LASER DUTCHESS-TW |         |
| BW-016                  |            | US000014911435            |         |
| <b>Dam</b>              | <b>MGS</b> | WA-DEL CONVINCER-ET       |         |
| OUR-FAVORITE CONCEITED  |            | US000002249055            | ELN-002 |
| US000129636968          | <b>MGD</b> | OUR-FAVORITE MORGAN-ET    |         |
|                         |            | US000017361721            |         |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 18 | Daug. | 158 | Rel.  | 95 % | <b>SPI</b> | 4171        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 3248                        |            |           |    | 1161  | 19  | -0,41 | 32   | -0,08      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 13.         |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 832.        |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 7 | Daug. | 67 | 79,9 | Rel. | 83 % | <b>TYPE</b> | 0,04 |
|                  |             |       |        |       |    |      |      |      | rank        | 455. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,65  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,33 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,59  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,46  |    |    |   |    |    |
| Fore Udder Attachment | 0,00  |    |    |   |    |    |
| Front Teat Placement  | 0,69  |    |    |   |    |    |
| Teat Length           | -0,01 |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,80 |    |    |   |    |    |
| Udder Depth           | 0,03  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | 0,10  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,67 |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 82,9 | <b>Frame</b> | 0,55 |
|------|--------------|------|

|      |                       |       |
|------|-----------------------|-------|
| 80,1 | <b>Dairy Strength</b> | -0,10 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 81,8 | <b>Feet &amp; Legs</b> | 0,42 |
|------|------------------------|------|

|      |              |       |
|------|--------------|-------|
| 77,5 | <b>Udder</b> | -0,41 |
|------|--------------|-------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | 127,6 |
|--|------------|-------|

rank 45.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>LANCELOT-ET</b> | <b>DE000578194407</b>             | <b>09.07.1998</b> | <b>LUS-011</b> |
| Country of origin  | DE                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 20.02.2003     |
|                    |                                   | DE                | 03/32739       |

### Pedigree

|                |                |                            |
|----------------|----------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| LUKAS          | US000001983348 | TDN-004                    |
| DE001012104370 | <b>PGD</b>     | EUGENIE 2                  |
|                | DE001002482030 |                            |
| <b>Dam</b>     | <b>MGS</b>     | EMERALD-ACRES-SA TONIC-ET  |
| DINA           | US000002074727 | CLE-011                    |
| DE001015276447 | <b>MGD</b>     | DIVA 12                    |
|                | DE001015217660 |                            |

|                             |             |           |           |       |             |            |             |            |             |
|-----------------------------|-------------|-----------|-----------|-------|-------------|------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017  | Herds     | <b>23</b> | Daug. | <b>389</b>  | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>1401</b> |
| Number controls             | <b>8459</b> | <b>BV</b> |           | Milk  | <b>114</b>  | Fat        | <b>7</b>    | %          | <b>0,03</b> |
|                             |             | Prot.     | <b>16</b> | %     | <b>0,27</b> | <b>SCS</b> | <b>3,17</b> | rank       | 169.        |
|                             |             |           |           |       |             | rank       | 758.        |            |             |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>42 / 12</b> | Daug. | <b>208</b> | 79,9 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,04</b> |
|                  |             |       |                |       |            |      |      | rank        | 456.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,22  |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | -0,38 |    |    |   |    |    |
| Teat Length           | 1,04  |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,44  |    |    |   |    |    |
| Udder Depth           | 0,00  |    |    |   |    |    |
| Rump Width            | 0,02  |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | 0,21  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,3 | <b>Frame</b>           | <b>0,26</b>  |
| 80,0 | <b>Dairy Strength</b>  | <b>-0,86</b> |
| 81,6 | <b>Feet &amp; Legs</b> | <b>0,89</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,39</b> |
|      | <b>SHI</b>             | <b>43,9</b>  |
|      | rank                   | 218.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RAUL 1052</b> | <b>DK005126001240</b>      | <b>25.10.2004</b> | <b>MAS-016</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 17.11.2005 |
|                   |                                   | DK           | 126325     |

### Pedigree

|                             |                |                           |
|-----------------------------|----------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | CESAR MASCOT VALENTEIN-ET |
| VANEZETTI VALENTEIN RAUL-ET | IT000908008098 |                           |
| IT061051012057              | <b>PGD</b>     | VANZETTI FATAL XAGELLA-ET |
|                             | IT000601041111 |                           |
| <b>Dam</b>                  | <b>MGS</b>     | SUMMERSHADE INQUIRER      |
| DK005126001052              | CA000006483076 | JUX-002                   |
|                             | <b>MGD</b>     | ASLUNDGAARD LUKAS MONETTE |
|                             | DK005126000807 |                           |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 50 | Daug. | 347 | Rel. | 98 %  | <b>SPI</b> | 263   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 6620                        |            |           |    | -6    |     | -1   | -0,02 | 5          | 0,10  |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,50  |
|                             |            |           |    |       |     |      |       | rank       | 1113. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 27 / 13 | Daug. | 107 | 79,7 | Rel. | 88 % | <b>TYPE</b> | 0,04 |
|                  |             |       |         |       |     |      |      |      | rank        | 457. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,37 |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,69 |    |    |   |    |    |
| Rear Legs Side View   | 1,03  |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | 0,92  |    |    |   |    |    |
| Front Teat Placement  | 0,87  |    |    |   |    |    |
| Teat Length           | 1,24  |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | 0,72  |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,85 |    |    |   |    |    |
| Rear Teat Placement   | 0,83  |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | 0,10  |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 82,7 | <b>Frame</b> | -0,31 |
|------|--------------|-------|

|      |                       |      |
|------|-----------------------|------|
| 79,8 | <b>Dairy Strength</b> | 0,02 |
|------|-----------------------|------|

|      |                        |       |
|------|------------------------|-------|
| 79,3 | <b>Feet &amp; Legs</b> | -1,34 |
|------|------------------------|-------|

|      |              |      |
|------|--------------|------|
| 78,2 | <b>Udder</b> | 0,86 |
|------|--------------|------|

|  |            |     |
|--|------------|-----|
|  | <b>SHI</b> | 9,5 |
|--|------------|-----|

rank 334.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>PIRANESI</b>          | <b>FR002942732978</b>                    | <b>25.06.1999</b> | <b>MAS-015</b>        |
| <b>Country of origin</b> | <b>FR</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>15.02.2002</b>     |
|                          |  | <b>FRA</b>        | <b>GS758362</b>       |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| HAIRY BREIZ    |            | US000002020049                |
| FR002292002618 | <b>PGD</b> | DAIRY BREI                    |
|                |            | FR003588026831                |
| <b>Dam</b>     | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET        |
| LARA           |            | US000002103297                |
| FR002995050611 | <b>MGD</b> | HOURRA ELA                    |
|                |            | FR002992000541                |

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>39</b>  | <b>Daug.</b> | <b>93</b>    | <b>Rel.</b>  | <b>92 %</b> | <b>SPI</b>  | <b>-43</b>  |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> |             | <b>438.</b> |
| <b>2063</b>                 |                   | <b>55</b>    | <b>0</b>   | <b>-0,04</b> | <b>-2</b>    | <b>-0,09</b> | <b>SCS</b>  | <b>2,98</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              |             |             | <b>506.</b> |

|                  |                    |              |               |              |           |             |             |             |             |             |
|------------------|--------------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>14 / 7</b> | <b>Daug.</b> | <b>20</b> | <b>78,6</b> | <b>Rel.</b> | <b>63 %</b> | <b>TYPE</b> | <b>0,04</b> |
|                  |                    |              |               |              |           |             |             |             | <b>rank</b> | <b>458.</b> |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,16 |    |    |   |    |    |
| Angularity            | -0,45 |    |    |   |    |    |
| Chest Width           | 0,27  |    |    |   |    |    |
| Body Depth            | 0,31  |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | 0,73  |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -0,66 |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | 0,03  |    |    |   |    |    |
| Central Ligament      | 0,31  |    |    |   |    |    |
| Udder Depth           | -0,52 |    |    |   |    |    |
| Rump Width            | -0,10 |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | -0,96 |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,37  |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>79,9</b> | <b>Frame</b>           | <b>0,06</b>  |
| <b>78,2</b> | <b>Dairy Strength</b>  | <b>-0,62</b> |
| <b>79,9</b> | <b>Feet &amp; Legs</b> | <b>0,83</b>  |
| <b>77,2</b> | <b>Udder</b>           | <b>-0,50</b> |
|             | <b>SHI</b>             | <b>0,2</b>   |
|             | <b>rank</b>            | <b>...</b>   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                       |              |                |
|------------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>                   | Registration number   | Birth date   | State Register |
| <b>LATERA BLACKSTAR PLAVCIK-ET</b> | <b>SK000021301055</b> | 26.08.1995   | <b>BS-029</b>  |
| Country of origin SK               |                       | <b>Breed</b> | H100           |
| Distributor                        |                       | Herdbook     | HA             |
|                                    |                       | Paternity    |                |

### Pedigree

|                             |            |                          |
|-----------------------------|------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET         |            | US000001723741           |
| US000001929410              | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                     |            | US000009804790           |
| <b>Dam</b>                  | <b>MGS</b> | SWEET-HAVEN TRADITION    |
| DREAMSTREET TRAD CLEODEL-ET |            | US000001682485           |
| US000012046931              | <b>MGD</b> | FAIR-HILL FOND CLAIRE    |
|                             |            | US000008179031           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.       | <b>159</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-2374</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 950.         |
| <b>3060</b>                 |            |           |           | <b>-484</b> |            | <b>-19</b> | <b>-0,02</b> | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |           |             |            | <b>-18</b> | <b>-0,09</b> | rank       | 744.         |

|                  |             |       |                |       |           |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 10</b> | Daug. | <b>20</b> | 76,9 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>0,04</b> |
|                  |             |       |                |       |           |      |      | rank        | 459.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,45  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | 0,01  |    |    |   |    |    |
| Rump Angle            | 0,54  |    |    |   |    |    |
| Rear Legs Side View   | -0,60 |    |    |   |    |    |
| Foot Angle            | -0,44 |    |    |   |    |    |
| Fore Udder Attachment | -0,70 |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | 0,41  |    |    |   |    |    |
| Rear Udder Height     | 0,05  |    |    |   |    |    |
| Rear Udder Width      | 0,29  |    |    |   |    |    |
| Central Ligament      | 0,50  |    |    |   |    |    |
| Udder Depth           | 0,66  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | -0,56 |    |    |   |    |    |
| Rear Teat Placement   | -0,14 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | 0,30  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,68</b>  |
| 74,4 | <b>Dairy Strength</b>  | <b>-0,05</b> |
| 76,2 | <b>Feet &amp; Legs</b> | <b>-1,07</b> |
| 76,5 | <b>Udder</b>           | <b>0,57</b>  |
|      | <b>SHI</b>             | <b>-70,2</b> |
|      | rank                   | 554.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>EASTVIEW INFLUENCE MATTIE G</b> | <b>US000002203306</b>             | <b>24.09.1992</b> | <b>MAS-010</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 24.06.1993     |
|                                    |                                   | USA               | IG185396D      |

### Pedigree

|                               |            |                             |
|-------------------------------|------------|-----------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY      |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201              |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY    |
| NBV-011                       |            | US000011356580              |
| <b>Dam</b>                    | <b>MGS</b> | TO-MAR BLACKSTAR-ET         |
| EASTVIEW BLAK M,MATTIE G-ET   |            | US000001929410              |
| US000014115091                | <b>MGD</b> | EASTVIEW MARK BELL,MATTIE G |
|                               |            | US000012833833              |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug. | 50 | Rel. | 90 %  | <b>SPI</b> | -455  |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| <b>1036</b>                 |            |           |    | -47   |    | -5   | -0,07 | -4         | -0,06 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 3,64  |
|                             |            |           |    |       |    |      |       | rank       | 1176. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 5 | Daug. | 18 | 76,7 | Rel. | 65 % | <b>TYPE</b> | 0,03 |
|                  |             |       |        |       |    |      |      |      | rank        | 460. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,23  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 1,08  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | 0,66  |    |    |   |    |    |
| Foot Angle            | -0,01 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | 1,08  |    |    |   |    |    |
| Teat Length           | -1,02 |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,19  |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | 0,56  |    |    |   |    |    |
| Rear Legs Rear View   | -0,77 |    |    |   |    |    |
| Rear Teat Placement   | 0,92  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

81,9 **Frame** 0,96

75,1 **Dairy Strength** 0,66

75,8 **Feet & Legs** -1,02

75,7 **Udder** 0,20

**SHI** -12,4

rank 397.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CAMEL BOY</b>  | <b>NL000838724419</b>             | <b>24.01.1994</b> | <b>MAS-006</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.10.1994     |
|                   |                                   | NLD               | XXX            |

### Pedigree

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY     |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201             |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY   |
| NBY-011                       |            | US000011356580             |
| <b>Dam</b>                    | <b>MGS</b> | LUTZ-BROOKVIEW BELL REX-ET |
| VIR-CLAR CAMEO-ET             |            | US000001875896             |
| US000013436557                | <b>MGD</b> | VIR-CLAR MISS CONCORDE-ET  |
|                               |            | US000012308028             |

|                             |            |           |            |            |             |          |             |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>324</b> | Daug.      | <b>4286</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>562</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      |             | rank       | 319.        |
| <b>83721</b>                |            |           |            | <b>140</b> |             | <b>9</b> | <b>0,06</b> | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |            |            |             |          |             | rank       | 268.        |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>86 / 41</b> | Daug. | <b>453</b> | 77,3 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>0,02</b> |
|                  |             |       |                |       |            |      |      | rank        | 461.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,65 |    |    |   |    |    |
| Angularity            | -0,48 |    |    |   |    |    |
| Chest Width           | 0,50  |    |    |   |    |    |
| Body Depth            | 0,63  |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | -0,44 |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   |    |    |
| Teat Length           | -0,43 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,78  |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | -0,72 |    |    |   |    |    |
| Rump Width            | -0,38 |    |    |   |    |    |
| Rear Legs Rear View   | -0,05 |    |    |   |    |    |
| Rear Teat Placement   | -0,04 |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | 0,52  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,7 | <b>Frame</b>           | <b>-0,51</b> |
| 76,2 | <b>Dairy Strength</b>  | <b>-0,32</b> |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,54</b> |
| 77,1 | <b>Udder</b>           | <b>0,95</b>  |
|      | <b>SHI</b>             | <b>17,9</b>  |
|      | rank                   | 304.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>MALOYA LONDON-ET</b> | <b>CA000005424987</b> | <b>05.08.1991</b> | <b>ARS-012</b> |
| Country of origin       | CA                    | <b>Breed</b>      | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 25.10.1991     |
|                         |                       | CAN               | 259739         |

### Pedigree

|                          |            |                      |
|--------------------------|------------|----------------------|
| <b>Sire</b>              | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR       |            | CA000000352790       |
| CA000000383622           | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011                  |            | CA0000003511527      |
| <b>Dam</b>               | <b>MGS</b> | S-W-D VALIANT        |
| COMESTAR LASS VALIANT-ET |            | US000001650414       |
| CA0000004460530          | <b>MGD</b> | ELYSA ANTHONY LEA    |
|                          |            | CA0000003628269      |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>264</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-2253</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 922.         |
| <b>5557</b>                 |            |           |           | <b>-293</b> |            | <b>-16</b> | <b>-0,10</b> | <b>SCS</b> | <b>2,77</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>-0,31</b> | rank       | 251.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 5</b> | Daug. | <b>64</b> | 77,3 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>0,02</b> |
|                  |             |       |               |       |           |      |      | rank        | 462.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | -0,25 |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | -0,76 |    |    |   |    |    |
| Rump Angle            | -0,77 |    |    |   |    |    |
| Rear Legs Side View   | -0,77 |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | -0,18 |    |    |   |    |    |
| Front Teat Placement  | -0,93 |    |    |   |    |    |
| Teat Length           | 0,90  |    |    |   |    |    |
| Rear Udder Height     | 0,08  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | 0,27  |    |    |   |    |    |
| Rump Width            | 0,41  |    |    |   |    |    |
| Rear Legs Rear View   | 1,00  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,9 | <b>Frame</b>           | <b>0,26</b>  |
| 74,0 | <b>Dairy Strength</b>  | <b>-0,78</b> |
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,51</b>  |
| 76,5 | <b>Udder</b>           | <b>0,08</b>  |
|      | <b>SHI</b>             | <b>-67,2</b> |
|      | rank                   | 542.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>ART-ACRES TESK TOM,ET</b> | <b>US000002175306</b>             | <b>04.09.1991</b> | <b>TES-006</b> |
| Country of origin            | US                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 28.05.1992     |
|                              |                                   | USA               | IG170578B      |

### Pedigree

|                          |            |                               |
|--------------------------|------------|-------------------------------|
| <b>Sire</b>              | <b>PGS</b> | S-W-D VALIANT                 |
| TESK-HOLM VALIANT ROCKIE |            | US000001650414                |
| US000001841366           | <b>PGD</b> | HOUVALE APOLLO GAIL           |
| VAL-016                  |            | US000008985852                |
| <b>Dam</b>               | <b>MGS</b> | BIS-MAY TRADITION CLEITUS     |
| ART-ACRES CLEITUS TEX B  |            | US000001879085 <b>CLE-003</b> |
| US0000013493468          | <b>MGD</b> | ART-ACRES NED BOY TEX B-ET    |
|                          |            | US0000012917769               |

|                             |            |           |           |             |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>16</b> | Daug.       | <b>115</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>-1152</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 685.         |
| <b>2394</b>                 |            |           |           | <b>-289</b> |            | <b>-4</b> | <b>0,13</b>  | <b>SCS</b> | <b>3,93</b>  |
|                             |            |           |           |             |            | <b>-1</b> | <b>-0,03</b> | rank       | 1237.        |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>32</b> | 76,6 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>0,02</b> |
|                  |             |       |              |       |           |      |      | rank        | 463.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | -0,32 |    |    |   |    |    |
| Chest Width           | 0,48  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,70  |    |    |   |    |    |
| Rear Legs Side View   | -0,36 |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | -0,57 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,46 |    |    |   |    |    |
| Udder Depth           | 0,21  |    |    |   |    |    |
| Rump Width            | 1,17  |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>1,27</b>  |
| 75,0 | <b>Dairy Strength</b>  | <b>-0,54</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,27</b>  |
| 74,6 | <b>Udder</b>           | <b>-0,64</b> |
|      | <b>SHI</b>             | <b>-34,1</b> |
|      | rank                   | 464.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>SHOREMAR MILAN-ET</b> | <b>CA000005402550</b> | <b>16.04.1991</b> | <b>LID-002</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 15.10.1991 |
|                   |                | CAN          | 258598     |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | S-W-D VALIANT             |
| A TOWNSON LINDY-ET     |            | US000001650414            |
| CA000000382748         | <b>PGD</b> | TOWNSON ELEVATION LINDY   |
|                        |            | US000008721357            |
| <b>Dam</b>             | <b>MGS</b> | HANOVERHILL STARBUCK      |
| MEADOW BRIDGE MEGAN-ET |            | CA000000352790            |
| CA000004244417         | <b>MGD</b> | MEADOW BRIDGE FOND MEG-ET |
|                        |            | CA000003339043            |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 435 | Rel. | 98 % | <b>SPI</b> | -2348 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>8622</b>                 |            |           |    | -467  |     | -16  | 0,02 | -20        | -0,13 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,40  |
|                             |            |           |    |       |     |      |      | rank       | 1021. |

|                  |             |       |        |       |    |      |      |      |             |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 21 / 9 | Daug. | 96 | 77,5 | Rel. | 89 % | <b>TYPE</b> | 0,02 |
|                  |             |       |        |       |    |      |      |      | rank        | 464. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,31  |    |    |   |    |    |
| Angularity            | -0,17 |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,74  |    |    |   |    |    |
| Rear Legs Side View   | 1,65  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | 0,55  |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | 0,64  |    |    |   |    |    |
| Rump Width            | 1,01  |    |    |   |    |    |
| Rear Legs Rear View   | -0,91 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,49 |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |              |      |
|------|--------------|------|
| 82,1 | <b>Frame</b> | 1,68 |
|------|--------------|------|

|      |                       |       |
|------|-----------------------|-------|
| 75,1 | <b>Dairy Strength</b> | -0,25 |
|------|-----------------------|-------|

|      |                        |       |
|------|------------------------|-------|
| 76,3 | <b>Feet &amp; Legs</b> | -3,05 |
|------|------------------------|-------|

|      |              |      |
|------|--------------|------|
| 77,0 | <b>Udder</b> | 0,39 |
|------|--------------|------|

|  |            |       |
|--|------------|-------|
|  | <b>SHI</b> | -70,2 |
|--|------------|-------|

rank 555.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>AMELDIN II PONTIAC HUNTER-323</b> | <b>US000002094527</b> | <b>07.03.1989</b> | <b>PTC-010</b> |
| Country of origin                    |                       | <b>Breed</b>      | H100           |
| Distributor                          |                       | Herdbook          | HA             |
|                                      |                       | Paternity         |                |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL   |
| ART ACRES BELL PONTIAC-ET |            | US000001667366          |
| US000001878472            | <b>PGD</b> | ART-ACRES ELEVATION KAY |
| PTC-001                   |            | US000008733981          |
| <b>Dam</b>                | <b>MGS</b> | ARLINDA ROTATE          |
| FAIR-HILL ROTATE HONEY-ET |            | US000001697572          |
| US000012680667            | <b>MGD</b> | DUNREG MARS LISA HEAVEN |
|                           |            | US000010946207          |

|                             |            |           |    |            |           |              |          |              |             |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.      | 65        | Rel.         | 93 %     | <b>SPI</b>   | 1377        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.    | %            | rank        |
| <b>1333</b>                 |            |           |    | <b>511</b> | <b>12</b> | <b>-0,14</b> | <b>5</b> | <b>-0,22</b> | <b>rank</b> |
|                             |            |           |    |            |           |              |          |              | 175.        |
|                             |            |           |    |            |           |              |          | <b>SCS</b>   | <b>3,30</b> |
|                             |            |           |    |            |           |              |          |              | rank        |
|                             |            |           |    |            |           |              |          |              | 923.        |

|                  |             |       |       |       |    |      |      |      |             |      |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 19 | 78,2 | Rel. | 75 % | <b>TYPE</b> | 0,01 |
|                  |             |       |       |       |    |      |      |      | rank        | 465. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,80  |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,60 |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,44  |    |    |   |    |    |
| Front Teat Placement  | -0,04 |    |    |   |    |    |
| Teat Length           | 0,41  |    |    |   |    |    |
| Rear Udder Height     | -0,66 |    |    |   |    |    |
| Rear Udder Width      | -0,72 |    |    |   |    |    |
| Central Ligament      | 0,65  |    |    |   |    |    |
| Udder Depth           | 0,68  |    |    |   |    |    |
| Rump Width            | -1,08 |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | -0,21 |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,12 |    |    |   |    |    |

daught. average

83,1 **Frame** **0,89**

75,8 **Dairy Strength** **-0,56**

78,8 **Feet & Legs** **0,67**

76,9 **Udder** **-0,40**

**SHI** **42,1**

rank 226.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ELEK</b>       | <b>HU00008344SR11</b>             | <b>15.07.1984</b> | <b>ELK-001</b> |
| Country of origin | HU                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                 |            |                               |
|-----------------|------------|-------------------------------|
| <b>Sire</b>     | <b>PGS</b> | ROUND OAK RAG APPLE ELEVATION |
| ELEK            |            | US000001491007                |
| HU0000000006008 | <b>PGD</b> | WAEFAIR MARK VIVA             |
|                 |            | CA000002314435                |
| <b>Dam</b>      | <b>MGS</b> | KINGSTEAD WHITE ROCK          |
| 834.BIBE        |            | US000001545281                |
| HU000004758SR11 | <b>MGD</b> | 475.BIBE                      |
|                 |            | HU000105514111                |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>62</b> | Daug.       | <b>879</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3459</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1178.        |
| <b>17678</b>                |            |           |           | <b>-800</b> |            | <b>-26</b> | <b>0,10</b>  | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |           |             |            | <b>-26</b> | <b>-0,03</b> | rank       | 742.         |

|                  |             |       |              |       |           |      |      |             |             |             |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>52</b> | 75,2 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>0,01</b> |
|                  |             |       |              |       |           |      |      | rank        | 466.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,90 |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | 0,57  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | 0,16  |    |    |   |    |    |
| Front Teat Placement  | -0,85 |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | -0,28 |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | -0,15 |    |    |   |    |    |
| Udder Depth           | -0,62 |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,63  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 72,4 | <b>Frame</b>           | <b>-0,73</b>  |
| 74,2 | <b>Dairy Strength</b>  | <b>1,23</b>   |
| 76,7 | <b>Feet &amp; Legs</b> | <b>0,90</b>   |
| 76,3 | <b>Udder</b>           | <b>-0,48</b>  |
|      | <b>SHI</b>             | <b>-103,8</b> |
|      | rank                   | 611.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>MAINSTREAM PROSPECT-ET</b> | <b>US000129076681</b> | <b>17.07.1999</b> | <b>WIT-005</b> |

|                   |                                   |              |             |
|-------------------|-----------------------------------|--------------|-------------|
| Country of origin | US                                | <b>Breed</b> | H100        |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA          |
|                   |                                   | Paternity    | 23.03.2004  |
|                   |                                   | USA          | IMMGN 6529E |

### Pedigree

|                           |            |                               |         |
|---------------------------|------------|-------------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR            |         |
| LADYS-MANOR WINCHESTER-ET |            | CA000000383622                | STB-011 |
| US000002205082            | <b>PGD</b> | LADYS-MANOR TOP GUN JEMINI-ET |         |
|                           |            | US000013586096                |         |
| <b>Dam</b>                | <b>MGS</b> | BRABANT STAR PATRON-ET        |         |
| LOOSLEA PATRON PAULA-ET   |            | US000002160458                | BS-034  |
| US000017321982            | <b>MGD</b> | LOOSLEA AEROSTAR LORRI-ET     |         |
|                           |            | US000014734188                |         |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug. | 928 | Rel. | 99 %  | <b>SPI</b> | 666   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 306.  |
| <b>18040</b>                |            |           |    | 334   |     | -2   | -0,27 | <b>SCS</b> | 3,66  |
|                             |            |           |    |       |     | 4    | -0,14 | rank       | 1188. |

|                  |             |       |         |       |     |      |      |      |             |      |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 63 / 17 | Daug. | 344 | 79,0 | Rel. | 96 % | <b>TYPE</b> | 0,01 |
|                  |             |       |         |       |     |      |      | rank | 467.        |      |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | 1,03  |    |    |   |    |    |
| Chest Width           | -1,43 |    |    |   |    |    |
| Body Depth            | -0,90 |    |    |   |    |    |
| Rump Angle            | 1,01  |    |    |   |    |    |
| Rear Legs Side View   | 0,39  |    |    |   |    |    |
| Foot Angle            | -0,76 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | 0,15  |    |    |   |    |    |
| Teat Length           | -0,75 |    |    |   |    |    |
| Rear Udder Height     | 0,87  |    |    |   |    |    |
| Rear Udder Width      | 0,74  |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | -0,04 |    |    |   |    |    |
| Rump Width            | -0,93 |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | 0,99  |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,73 |    |    |   |    |    |

daught. average

81,5 **Frame** -0,57

79,4 **Dairy Strength** 0,43

77,8 **Feet & Legs** -1,99

78,1 **Udder** 1,09

**SHI** 20,5

rank 290.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>LUCKY MIKE</b> | <b>NL000255749372</b> | <b>22.01.1999</b> | <b>LEO-005</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | NL             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 30.12.1999 |
|                   |                | NL           | 46156      |

### Pedigree

|                         |            |                              |
|-------------------------|------------|------------------------------|
| <b>Sire</b>             | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| FRANKENHOF LUCKY LEO    |            | US000001920807               |
| NL000777133097          | <b>PGD</b> | LENORA 2                     |
|                         |            | NL000509257011               |
| <b>Dam</b>              | <b>MGS</b> | ETAZON CELSIUS-ET            |
| BEETSTER CEL J ALBERTJE |            | NL000460508522               |
| NL000202437378          | <b>MGD</b> | JABOT ALBERTJE               |
|                         |            | NL000142232079               |

|                             |            |           |           |           |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>35</b> | Daug.     | <b>724</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>417</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat      | %           | rank       | 344.        |
| <b>14961</b>                |            |           |           | <b>-9</b> |            | <b>1</b> | <b>0,01</b> | <b>SCS</b> | <b>3,44</b> |
|                             |            |           |           |           |            |          |             | rank       | 1062.       |

|                  |             |       |                |       |            |      |      |             |             |             |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 10</b> | Daug. | <b>233</b> | 79,9 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>0,01</b> |
|                  |             |       |                |       |            |      |      | rank        | 468.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,52  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | -0,18 |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,06 |    |    |   |    |    |
| Fore Udder Attachment | 0,46  |    |    |   |    |    |
| Front Teat Placement  | 0,59  |    |    |   |    |    |
| Teat Length           | -0,12 |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | -0,45 |    |    |   |    |    |
| Udder Depth           | 0,45  |    |    |   |    |    |
| Rump Width            | -0,70 |    |    |   |    |    |
| Rear Legs Rear View   | 1,47  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,5 | <b>Frame</b> | <b>0,25</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,2 | <b>Dairy Strength</b> | <b>-0,73</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Feet &amp; Legs</b> | <b>-0,10</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,6 | <b>Udder</b> | <b>0,26</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>12,9</b> |
|--|------------|-------------|

rank 323.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>LHARDYS</b>   | <b>FR005995026637</b> | <b>20.11.1995</b> | <b>MNL-011</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 22.07.1997 |
|                   |                                   | GBR          | 96020173.1 |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET    |            | US000001858047              |
| US000002119526              | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                             |            | US000012593031              |
| <b>Dam</b>                  | <b>MGS</b> | MADAWASKA AEROSTAR          |
| HARDYS AEROSTAR TWILIGHT-ET |            | CA000000383622              |
| US000014557960              | <b>MGD</b> | HARDYS ROYALTY TAMARA-ET    |
|                             |            | US000013097249              |

|                             |            |           |            |            |             |           |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>149</b> | Daug.      | <b>3177</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>105</b>   |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       | %            | rank       | 407.         |
| <b>64884</b>                |            |           |            | <b>138</b> |             | <b>-9</b> | <b>-0,28</b> | <b>3</b>   | <b>-0,04</b> |
|                             |            |           |            |            |             |           |              | <b>SCS</b> | <b>2,71</b>  |
|                             |            |           |            |            |             |           |              | rank       | 191.         |

|                  |             |       |                 |       |             |      |      |             |             |             |
|------------------|-------------|-------|-----------------|-------|-------------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>154 / 41</b> | Daug. | <b>1026</b> | 78,6 | Rel. | <b>99 %</b> | <b>TYPE</b> | <b>0,01</b> |
|                  |             |       |                 |       |             |      |      | rank        | 469.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | 0,20  |    |    |   |    |    |
| Rump Angle            | -0,89 |    |    |   |    |    |
| Rear Legs Side View   | -0,21 |    |    |   |    |    |
| Foot Angle            | 0,60  |    |    |   |    |    |
| Fore Udder Attachment | 0,20  |    |    |   |    |    |
| Front Teat Placement  | 0,28  |    |    |   |    |    |
| Teat Length           | 1,29  |    |    |   |    |    |
| Rear Udder Height     | -0,72 |    |    |   |    |    |
| Rear Udder Width      | -0,60 |    |    |   |    |    |
| Central Ligament      | -0,34 |    |    |   |    |    |
| Udder Depth           | -0,54 |    |    |   |    |    |
| Rump Width            | 0,79  |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | 0,41  |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,5 | <b>Frame</b> | <b>-0,09</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,5 | <b>Dairy Strength</b> | <b>1,06</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,5 | <b>Feet &amp; Legs</b> | <b>2,30</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,2 | <b>Udder</b> | <b>-1,36</b> |
|------|--------------|--------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>3,5</b> |
|--|------------|------------|

rank 356.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                       |
|-----------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>            | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BOMAZ DONALD DUCK-ET</b> | <b>US000002141906</b>             | <b>25.05.1990</b> | <b>BS-041</b>         |
| Country of origin           | US                                | <b>Breed</b>      | H100                  |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                             |                                   | Paternity         | 20.11.1990            |
|                             |                                   | USA               | IG146846A             |

### Pedigree

|                       |                 |                          |
|-----------------------|-----------------|--------------------------|
| <b>Sire</b>           | <b>PGS</b>      | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET   | US000001723741  | ADM-008                  |
| US000001929410        | <b>PGD</b>      | TO-MAR WAYNE HAY         |
| CHR-002               | US000009804790  |                          |
| <b>Dam</b>            | <b>MGS</b>      | WHITTIER-FARMS NED BOY   |
| BOMAZ NED BOY DYNAMIC | US000001806201  |                          |
| US0000012951453       | <b>MGD</b>      | BOMAZ VALIANT DAPHNE     |
|                       | US0000011268394 |                          |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>239</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-2589</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 997.         |
| <b>4920</b>                 |            |           |           | <b>-538</b> |            | <b>-27</b> | <b>-0,15</b> | <b>SCS</b> | <b>3,34</b>  |
|                             |            |           |           |             |            | <b>-17</b> | <b>-0,02</b> | rank       | 970.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>28</b> | 76,9 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>0,01</b> |
|                  |             |       |               |       |           |      |      | rank        | 470.        |             |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,64  |    |    |   |    |    |
| Angularity            | -0,21 |    |    |   |    |    |
| Chest Width           | 0,82  |    |    |   |    |    |
| Body Depth            | 0,58  |    |    |   |    |    |
| Rump Angle            | -0,19 |    |    |   |    |    |
| Rear Legs Side View   | -0,46 |    |    |   |    |    |
| Foot Angle            | -0,57 |    |    |   |    |    |
| Fore Udder Attachment | -0,25 |    |    |   |    |    |
| Front Teat Placement  | 0,63  |    |    |   |    |    |
| Teat Length           | -1,22 |    |    |   |    |    |
| Rear Udder Height     | -0,65 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | 0,48  |    |    |   |    |    |
| Udder Depth           | 0,46  |    |    |   |    |    |
| Rump Width            | 0,89  |    |    |   |    |    |
| Rear Legs Rear View   | -0,48 |    |    |   |    |    |
| Rear Teat Placement   | 0,78  |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -0,44 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,1 | <b>Frame</b>           | <b>1,51</b>  |
| 75,1 | <b>Dairy Strength</b>  | <b>0,50</b>  |
| 77,7 | <b>Feet &amp; Legs</b> | <b>-1,18</b> |
| 74,9 | <b>Udder</b>           | <b>-0,39</b> |
|      | <b>SHI</b>             | <b>-77,8</b> |
|      | rank                   | 569.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>NET-A-WAY SS PAXTON-RED-ET</b> | <b>US000136878173</b>             | <b>15.07.2005</b> | <b>SOM-032</b> |
| Country of origin                 | US                                | <b>Breed</b>      | R100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 26.11.2004     |
|                                   |                                   | US                | M04001045      |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MAUGHLIN STORM-ET         |
| PURSUIT SEPTEMBER STORM-ET  |            | CA000005457798            |
| CA000006820564              | <b>PGD</b> | GLEN DRUMMOND SHIMMER-ET  |
| SOM-024                     |            | CA000006185591            |
| <b>Dam</b>                  | <b>MGS</b> | STARKY MERR MARATHON      |
| NET-A-WAY MARTHON PAMONA-ET |            | US000002272874            |
| US000130691709              | <b>MGD</b> | STARSTRUCK J PENNY-RED-ET |
|                             |            | US000017342112            |

|                             |            |           |           |          |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|----------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.    | <b>327</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-821</b>  |
| Number controls             |            | <b>BV</b> |           | Milk     |            | Fat        | %            | Prot.      | %            |
| <b>4177</b>                 |            |           |           | <b>3</b> |            | <b>-15</b> | <b>-0,29</b> | <b>-7</b>  | <b>-0,15</b> |
|                             |            |           |           |          |            |            |              | <b>SCS</b> | <b>2,79</b>  |
|                             |            |           |           |          |            |            |              | rank       | 286.         |

|                  |             |       |               |       |           |      |      |             |             |             |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|-------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 8</b> | Daug. | <b>68</b> | 80,4 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>0,00</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 471.        |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,12 |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | -0,30 |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | -1,11 |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | 0,12  |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | -0,00 |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | -0,20 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,0 | <b>Frame</b>           | <b>-0,12</b> |
| 81,9 | <b>Dairy Strength</b>  | <b>0,02</b>  |
| 81,6 | <b>Feet &amp; Legs</b> | <b>-0,42</b> |
| 77,8 | <b>Udder</b>           | <b>0,33</b>  |
|      | <b>SHI</b>             | <b>-24,7</b> |
|      | rank                   | 439.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>SCHILLVIEW ADDISON-ET</b> | <b>US000066069816</b> | <b>02.10.2008</b> | <b>JUX-010</b> |
| Country of origin            | US                    | <b>Breed</b>      | H100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | 10.12.2009     |
|                              |                       | CA                | DC245589       |

### Pedigree

|                            |            |                          |         |
|----------------------------|------------|--------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | SUMMERSHADE INQUIRER     |         |
| BRAEDALE PAGEWIRE-ET       |            | CA000006483076           | JUX-002 |
| CA000008641364             | <b>PGD</b> | BRAEDALE BALER TWINE-ET  |         |
| JUX-008                    |            | CA000006860888           |         |
| <b>Dam</b>                 | <b>MGS</b> | O-BEE MANFRED JUSTICE-ET |         |
| SCHILLVIEW OMAN GLISTEN-ET |            | US000122358313           | MED-012 |
| US000052805706             | <b>MGD</b> | SCHILLVIEW MTOTO GIFT-ET |         |
|                            |            | US000128338287           |         |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 258 | Rel. | 97 % | <b>SPI</b> | 1221       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| <b>5435</b>                 |            |           |    | 167   | 11  | 0,07 | 11   | 0,12       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 203.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 36.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 5 | Daug. | 43 | 79,5 | Rel. | 76 % | <b>TYPE</b> | -0,00 |
|                  |             |       |        |       |    |      |      |      | rank        | 472.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,58  |    |    |   |    |    |
| Angularity            | 0,25  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,70 |    |    |   |    |    |
| Rump Angle            | 0,93  |    |    |   |    |    |
| Rear Legs Side View   | 0,23  |    |    |   |    |    |
| Foot Angle            | -0,05 |    |    |   |    |    |
| Fore Udder Attachment | 0,72  |    |    |   |    |    |
| Front Teat Placement  | 0,45  |    |    |   |    |    |
| Teat Length           | -0,82 |    |    |   |    |    |
| Rear Udder Height     | 0,79  |    |    |   |    |    |
| Rear Udder Width      | -0,56 |    |    |   |    |    |
| Central Ligament      | 0,26  |    |    |   |    |    |
| Udder Depth           | 1,99  |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

82,3 **Frame** **0,17**

80,3 **Dairy Strength** **-0,80**

80,8 **Feet & Legs** **-0,07**

77,1 **Udder** **0,18**

**SHI** **36,8**

rank 244.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>SANDY-VALLEY BUSHMAN-ET</b> | <b>US000134610106</b> | <b>12.05.2003</b> | <b>SOM-023</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.04.2004 |
|                   |                                   | US           | 12680C     |

### Pedigree

|                            |            |                             |         |
|----------------------------|------------|-----------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | MAUGHLIN STORM-ET           |         |
| COMESTAR STORMATIC-ET      |            | CA000005457798              |         |
| CA000006947936             | <b>PGD</b> | COMESTAR LAUSAN BLACK       |         |
| SOM-006                    |            | CA000005319830              |         |
| <b>Dam</b>                 | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET      |         |
| RICECREST BWOOD BRIANNE-ET |            | US000002103297              | MEW-004 |
| US000015731228             | <b>MGD</b> | RICECREST SOUTHWIND KAYE-ET |         |
|                            |            | US000014334791              |         |

|                             |            |           |   |            |    |          |              |            |             |
|-----------------------------|------------|-----------|---|------------|----|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 8 | Daug.      | 40 | Rel.     | 81 %         | <b>SPI</b> | 651         |
| Number controls             |            | <b>BV</b> |   | Milk       |    | Fat      | %            | Prot.      | %           |
| <b>603</b>                  |            |           |   | <b>164</b> |    | <b>2</b> | <b>-0,09</b> | <b>6</b>   | <b>0,01</b> |
|                             |            |           |   |            |    |          |              | <b>SCS</b> | 2,53        |
|                             |            |           |   |            |    |          |              | rank       | ...         |
|                             |            |           |   |            |    |          |              | rank       | ...         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 3 | Daug. | 37 | 80,1 | Rel. | 73 % | <b>TYPE</b> | -0,00 |
|                  |             |       |        |       |    |      |      |      | rank        | 473.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | 0,14  |    |    |   |    |    |
| Chest Width           | -1,05 |    |    |   |    |    |
| Body Depth            | -0,82 |    |    |   |    |    |
| Rump Angle            | -0,46 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,25  |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | -0,40 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,23  |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | 0,24  |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | -0,36 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 82,5 | <b>Frame</b> | -0,43 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 78,4 | <b>Dairy Strength</b> | -1,50 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 81,7 | <b>Feet &amp; Legs</b> | 0,26 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 79,0 | <b>Udder</b> | 0,87 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 19,6 |
|--|------------|------|

rank 293.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |              |                |
|----------------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date   | State Register |
| <b>GARJO ELTON GABE-ET</b> | <b>US000002257212</b>             | 13.05.1994   | <b>ELN-001</b> |
| Country of origin          | US                                | <b>Breed</b> | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                            |                                   | Paternity    | 19.06.1995     |
|                            |                                   | USA          | IG211745E      |

### Pedigree

|                          |            |                               |
|--------------------------|------------|-------------------------------|
| <b>Sire</b>              | <b>PGS</b> | CARLIN-M IVANHOE BELL         |
| EMPRISE BELL ELTON       |            | US000001667366                |
| US000001912270           | <b>PGD</b> | MONARCHIAL GLENDELL EFFIE     |
|                          |            | US000010248397                |
| <b>Dam</b>               | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| PRAIRIE-BELLE MAS GIN-ET |            | US000002020049                |
| US000014830011           | <b>MGD</b> | HAYSEED ROTATE GAIETY         |
|                          |            | US000012893091                |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug. | 212 | Rel. | 97 %  | <b>SPI</b> | 2184       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 4481                        |            |           |    | 510   | 23  | 0,04 | 13    | -0,05      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 80.        |
|                             |            |           |    |       |     |      |       |            | 3,29       |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 906.       |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 17 / 10 | Daug. | 57 | 77,2 | Rel. | 83 % | <b>TYPE</b> | -0,00 |
|                  |             |       |         |       |    |      |      |      | rank        | 474.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,23  |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 0,74  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | -0,45 |    |    |   |    |    |
| Rear Udder Height     | -0,22 |    |    |   |    |    |
| Rear Udder Width      | 0,44  |    |    |   |    |    |
| Central Ligament      | -0,60 |    |    |   |    |    |
| Udder Depth           | -0,70 |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | 0,20  |    |    |   |    |    |
| Rear Teat Placement   | -0,36 |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | -0,17 |    |    |   |    |    |

daught. average

80,3 **Frame** 0,41

77,0 **Dairy Strength** 0,15

77,0 **Feet & Legs** 0,67

76,1 **Udder** -0,36

**SHI** 65,7

rank 159.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MACOP-ET</b>   | <b>DE001302490894</b>             | <b>26.03.2005</b> | <b>BW-024</b>  |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.05.2005     |
|                   |                                   | DE                | 05/2684        |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| B-HIDDENHILLS MAR MARMAX-ET |            | US000002290977              |
| US000126853007              | <b>PGD</b> | NEYER MOMENTUM MAXY-ET      |
| BW-034                      |            | US000015361293              |
| <b>Dam</b>                  | <b>MGS</b> | LENTINI-ET                  |
| BT. BEA                     |            | DE001012337003              |
| DE001301516080              | <b>MGD</b> | BEAUTY                      |
|                             |            | DE001300074693              |

|                             |            |           |    |       |     |       |       |             |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 19 | Daug. | 77  | Rel.  | 92 %  | <b>SPI</b>  | -1262      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %           | rank       |
| <b>1214</b>                 |            |           |    | -249  | -19 | -0,19 | -6    | <b>0,02</b> | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |             | rank       |
|                             |            |           |    |       |     |       |       |             | 210.       |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 7 | Daug. | 38 | 77,5 | Rel. | 74 % | <b>TYPE</b> | -0,01 |
|                  |             |       |        |       |    |      |      |      | rank        | 475.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,92  |    |    |   |    |    |
| Angularity            | -0,38 |    |    |   |    |    |
| Chest Width           | 0,78  |    |    |   |    |    |
| Body Depth            | 0,55  |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | -0,23 |    |    |   |    |    |
| Teat Length           | 0,78  |    |    |   |    |    |
| Rear Udder Height     | -0,40 |    |    |   |    |    |
| Rear Udder Width      | -0,59 |    |    |   |    |    |
| Central Ligament      | -0,92 |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | 0,86  |    |    |   |    |    |
| Rear Legs Rear View   | -0,36 |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,6 | <b>Frame</b>           | <b>1,77</b>  |
| 78,7 | <b>Dairy Strength</b>  | <b>0,31</b>  |
| 77,6 | <b>Feet &amp; Legs</b> | <b>0,39</b>  |
| 73,9 | <b>Udder</b>           | <b>-1,50</b> |
|      | <b>SHI</b>             | <b>-38,3</b> |
|      | rank                   | 475.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LEOPOLD-ET</b> | <b>LU000898172058</b>             | <b>15.12.2000</b> | <b>LU-026</b>  |
| Country of origin | LU                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 19.11.2001     |
|                   |                                   | DE                | 01/12963       |

### Pedigree

|                      |            |                              |
|----------------------|------------|------------------------------|
| <b>Sire</b>          | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LENTINI-ET           |            | US000002071864               |
| DE001012337003       | <b>PGD</b> | LOOSLEA BLK STAR MONIQUE-ET  |
|                      |            | US000014122737               |
| <b>Dam</b>           | <b>MGS</b> | BROOKNOOK MILESTONE-ET RED   |
| STBVQ MILESTONE ROSA |            | CA000000400985               |
| LU000098023381       | <b>MGD</b> | HANOVERHILL STAR ROYAL ET    |
|                      |            | CA000004323541               |

|                             |            |           |           |              |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|--------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>53</b> | Daug.        | <b>754</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-5450</b> |
| Number controls             |            | <b>BV</b> |           | Milk         |            | Fat        | %           | rank       | 1302.        |
| <b>13652</b>                |            |           |           | <b>-1382</b> |            | <b>-50</b> | <b>0,06</b> | <b>SCS</b> | <b>2,92</b>  |
|                             |            |           |           |              |            | <b>-34</b> | <b>0,26</b> | rank       | 418.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 7</b> | Daug. | <b>106</b> | 77,6 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>-0,01</b> |
|                  |             |       |               |       |            |      |      | rank        | 476.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | -0,68 |    |    |   |    |    |
| Chest Width           | 0,52  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,39  |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | -0,20 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,44 |    |    |   |    |    |
| Central Ligament      | -0,51 |    |    |   |    |    |
| Udder Depth           | 1,33  |    |    |   |    |    |
| Rump Width            | 1,10  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,66 |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | 0,93  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 81,8 | <b>Frame</b>           | <b>0,83</b>   |
| 77,3 | <b>Dairy Strength</b>  | <b>-1,20</b>  |
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,01</b>   |
| 75,7 | <b>Udder</b>           | <b>-0,11</b>  |
|      | <b>SHI</b>             | <b>-164,6</b> |
|      | rank                   | 658.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>V GOTTORP</b>  | <b>DK000000245165</b>             | <b>02.02.2001</b> | <b>LEP-005</b> |
| Country of origin | DK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 01.02.2002     |
|                   |                                   | DK                | 230543         |

### Pedigree

|                           |            |                        |
|---------------------------|------------|------------------------|
| <b>Sire</b>               | <b>PGS</b> | HALDREY LEADERSHIP     |
| RICHESSÉ STONEHAM-ET      |            | CA000000397763         |
| CA000006264421            | <b>PGD</b> | GOLOISE STORA JUBILANT |
| LEP-004                   |            | CA000004766707         |
| <b>Dam</b>                | <b>MGS</b> | LUKAS                  |
| ASLUNDGAARD LUKAS MONETTE |            | DE001012104370         |
| DK005126000807            | <b>MGD</b> | DK005126000644         |

|                             |            |             |           |             |            |             |             |             |              |     |
|-----------------------------|------------|-------------|-----------|-------------|------------|-------------|-------------|-------------|--------------|-----|
| <b>Milk production data</b> | SK 10/2017 | Herds       | <b>6</b>  | Daug.       | <b>68</b>  | Rel.        | <b>88 %</b> | <b>SPI</b>  | <b>-2367</b> |     |
| Number controls             | <b>BV</b>  | Milk        | Fat       | %           | Prot.      | %           | rank        | ...         |              |     |
| <b>989</b>                  |            | <b>-929</b> | <b>-8</b> | <b>0,60</b> | <b>-13</b> | <b>0,41</b> | <b>SCS</b>  | <b>3,31</b> | rank         | ... |

|                  |             |       |              |       |           |      |      |             |             |              |      |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 1</b> | Daug. | <b>33</b> | 79,0 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-0,01</b> |      |
|                  |             |       |              |       |           |      |      |             |             | rank         | 477. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,51  |    |    |   |    |    |
| Angularity            | -0,20 |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | 0,39  |    |    |   |    |    |
| Rump Angle            | -1,60 |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | 0,26  |    |    |   |    |    |
| Fore Udder Attachment | -0,31 |    |    |   |    |    |
| Front Teat Placement  | 0,48  |    |    |   |    |    |
| Teat Length           | -0,50 |    |    |   |    |    |
| Rear Udder Height     | -0,45 |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,78  |    |    |   |    |    |
| Udder Depth           | 0,26  |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | -0,56 |    |    |   |    |    |
| Rear Teat Placement   | 0,44  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

82,8 **Frame** **0,46**

78,7 **Dairy Strength** **-0,11**

79,1 **Feet & Legs** **0,32**

77,2 **Udder** **-0,44**

**SHI** **-71,7**

rank 556.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>EMERALD-ACR-SA T-DAWSON-ET</b> | <b>US000124003312</b>             | <b>28.04.1998</b> | <b>DED-003</b> |
| Country of origin                 | US                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 11.04.2003     |
|                                   |                                   | USA               | 568454         |

### Pedigree

|                             |                |                                |
|-----------------------------|----------------|--------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN     |
| PAULO-BRO RTL DEMAND TCG-ET | US000001983348 | TDN-004                        |
| US000002193272              | <b>PGD</b>     | PAULO-BRO MARK DELIGHT 3206-ET |
|                             | US000012798676 |                                |
| <b>Dam</b>                  | <b>MGS</b>     | BIS-MAY S-E-L MOUNTAIN-ET      |
| EMERALD-ACR-SA TANNICE      | US000002070579 | RAY-002                        |
| US000015749298              | <b>MGD</b>     | EMERALD-ACR-SA TANNA-ET        |
|                             | US000014930499 |                                |

|                             |            |           |   |            |           |             |           |             |            |
|-----------------------------|------------|-----------|---|------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 4 | Daug.      | 42        | Rel.        | 88 %      | <b>SPI</b>  | 2310       |
| Number controls             |            | <b>BV</b> |   | Milk       | Fat       | %           | Prot.     | %           | rank       |
| <b>915</b>                  |            |           |   | <b>491</b> | <b>20</b> | <b>0,01</b> | <b>17</b> | <b>0,03</b> | <b>SCS</b> |
|                             |            |           |   |            |           |             |           |             | rank       |
|                             |            |           |   |            |           |             |           |             | ...        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 2 | Daug. | 37 | 78,3 | Rel. | 74 % | <b>TYPE</b> | -0,01 |
|                  |             |       |       |       |    |      |      |      | rank        | 478.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | -1,00 |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | -0,03 |    |    |   |    |    |
| Foot Angle            | 0,51  |    |    |   |    |    |
| Fore Udder Attachment | 0,50  |    |    |   |    |    |
| Front Teat Placement  | -0,35 |    |    |   |    |    |
| Teat Length           | -0,50 |    |    |   |    |    |
| Rear Udder Height     | 0,90  |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | 0,08  |    |    |   |    |    |
| Udder Depth           | 1,81  |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | 0,23  |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,5 | <b>Frame</b>           | <b>-0,64</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,65</b> |
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,32</b>  |
| 78,1 | <b>Udder</b>           | <b>0,68</b>  |
|      | <b>SHI</b>             | <b>69,4</b>  |
|      | rank                   | 150.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>COMESTAR LEADER-ET</b> | <b>CA000005319769</b> | <b>01.11.1990</b> | <b>BS-027</b>  |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 14.05.1991     |
|                           |                       | CAN               | 247067         |

### Pedigree

|                          |            |                          |
|--------------------------|------------|--------------------------|
| <b>Sire</b>              | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET      |            | US000001723741           |
| US000001929410           | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                  |            | US000009804790           |
| <b>Dam</b>               | <b>MGS</b> | PUGET-SOUND SHEIK        |
| COMESTAR LAURIE SHEIK-ET |            | CA000000327279           |
| CA000004425038           | <b>MGD</b> | ELYSA ANTHONY LEA        |
|                          |            | CA000003628269           |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug. | 371 | Rel. | 98 %  | <b>SPI</b> | -737  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 7767                        |            |           |    | -147  |     | -9   | -0,07 | -5         | -0,01 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 2,99  |
|                             |            |           |    |       |     |      |       | rank       | 518.  |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 29 / 13 | Daug. | 157 | 77,4 | Rel. | 92 % | <b>TYPE</b> | -0,01 |
|                  |             |       |         |       |     |      |      |      | rank        | 479.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | 0,53  |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | -0,68 |    |    |   |    |    |
| Foot Angle            | -0,20 |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | 0,15  |    |    |   |    |    |
| Teat Length           | -0,96 |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | -0,35 |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,39 |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | -0,42 |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,3 | <b>Frame</b>           | -0,20 |
| 77,4 | <b>Dairy Strength</b>  | 1,19  |
| 77,0 | <b>Feet &amp; Legs</b> | -1,07 |
| 76,8 | <b>Udder</b>           | 0,20  |
|      | <b>SHI</b>             | -22,5 |
|      | rank                   | 433.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>SLEEPY</b>     | <b>DE000533467428</b>             | <b>28.09.2000</b> | <b>MNA-005</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 27.10.2000     |
|                   |                                   | DEU               | 00/12521       |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| ETAZON SLOGAN  |            | US000002070579            |
| NL000140915217 | <b>PGD</b> | TIDY-BROOK ELTON STEPH-ET |
|                |            | US000014080279            |
| <b>Dam</b>     | <b>MGS</b> | DIXELLEN DESIGN           |
| CINDEREL90     |            | CA000005335690            |
| DE000532478203 | <b>MGD</b> | CAMPIO 2                  |
|                |            | DE000730507804            |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>45</b> | Daug.       | <b>131</b> | Rel.       | <b>94 %</b> | <b>SPI</b> | <b>-1424</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 739.         |
| <b>2682</b>                 |            |           |           | <b>-466</b> |            | <b>-11</b> | <b>0,14</b> | <b>SCS</b> | <b>3,10</b>  |
|                             |            |           |           |             |            | <b>-8</b>  | <b>0,16</b> | rank       | 668.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 7</b> | Daug. | <b>18</b> | 77,5 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>-0,01</b> |
|                  |             |       |              |       |           |      |      | rank        | 480.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,62  |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | 0,17  |    |    |   |    |    |
| Rump Angle            | 1,23  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | -1,26 |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | -1,01 |    |    |   |    |    |
| Udder Depth           | 0,31  |    |    |   |    |    |
| Rump Width            | -0,01 |    |    |   |    |    |
| Rear Legs Rear View   | -0,28 |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>0,86</b>  |
| 78,6 | <b>Dairy Strength</b>  | <b>0,08</b>  |
| 77,0 | <b>Feet &amp; Legs</b> | <b>-0,25</b> |
| 75,6 | <b>Udder</b>           | <b>-0,18</b> |
|      | <b>SHI</b>             | <b>-43,5</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                                  |                      |                   |                |
|----------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number  | Birth date        | State Register |
| <b>MEDZICILIZIE ZEBO TONG-ET</b> | <b>SK00000031853</b> | <b>06.05.1997</b> | <b>ZEB-001</b> |
| Country of origin <b>SK</b>      |                      | <b>Breed</b>      | H100           |
| Distributor                      |                      | Herdbook          | HA             |
|                                  |                      | Paternity         |                |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>                                | <b>PGS</b> | ARLINDA MELWOOD-ET<br>US000001879149                   |
| ZIELLAND ZEBO<br>US000002137511<br>MEW-003 | <b>PGD</b> | ZIELLAND FUTURE HANNAH<br>US000012630224               |
| <b>Dam</b>                                 | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN<br>US000002071864 CLE-005 |
| SK000046801823                             | <b>MGD</b> | GREEN-VALE SECRET LORNA-ET<br>US000013589093           |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.       | <b>672</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-570</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | Prot.      | %           |
| <b>13398</b>                |            |           |           | <b>-119</b> |            | <b>-9</b> | <b>-0,09</b> | <b>-3</b>  | <b>0,02</b> |
|                             |            |           |           |             |            |           |              | <b>SCS</b> | <b>3,18</b> |
|                             |            |           |           |             |            |           |              | rank       | 547.        |
|                             |            |           |           |             |            |           |              | rank       | 771.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 15</b> | Daug. | <b>66</b> | 77,8 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,02</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 481.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,35  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,18 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 0,51  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | 0,83  |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,49 |    |    |   |    |    |
| Teat Length           | 0,45  |    |    |   |    |    |
| Rear Udder Height     | -0,33 |    |    |   |    |    |
| Rear Udder Width      | -0,80 |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | -0,65 |    |    |   |    |    |
| Rump Width            | -0,67 |    |    |   |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   |    |    |
| Rear Teat Placement   | -0,59 |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>0,15</b>  |
| 77,9 | <b>Dairy Strength</b>  | <b>0,08</b>  |
| 78,4 | <b>Feet &amp; Legs</b> | <b>1,23</b>  |
| 76,4 | <b>Udder</b>           | <b>-0,89</b> |
|      | <b>SHI</b>             | <b>-17,8</b> |
|      | rank                   | 422.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JAGUAR JPS</b> | <b>FR004294001761</b>             | <b>20.05.1994</b> | <b>MNA-002</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 19.01.2001     |
|                   |                                   | FRA               | GS 566430      |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | LEKKER VALIANT ROYALTY        |
| BIS-MAY S-E-L MOUNTAIN-ET |            | US000001821208                |
| US000002070579            | <b>PGD</b> | BIS-MAY CHAIRMAN MERRI        |
| RAY-002                   |            | US000011633203                |
| <b>Dam</b>                | <b>MGS</b> | RIPVALLEY SWEET-H TRAVIS-TWIN |
| FIRME POMM                |            | US000001909166                |
| FR004290002918            | <b>MGD</b> | BENARLINDA                    |
|                           |            | FR004286009370                |
|                           |            | TDN-003                       |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug. | 133 | Rel. | 95 %  | <b>SPI</b> | -507  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>2614</b>                 |            |           |    | -33   |     | -19  | -0,34 | 1          | 0,03  |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,43  |
|                             |            |           |    |       |     |      |       | rank       | 533.  |
|                             |            |           |    |       |     |      |       | rank       | 1050. |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 6 | Daug. | 67 | 78,3 | Rel. | 83 % | <b>TYPE</b> | -0,02 |
|                  |             |       |        |       |    |      |      |      | rank        | 482.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,44  |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 1,07  |    |    |   |    |    |
| Rear Legs Side View   | 0,38  |    |    |   |    |    |
| Foot Angle            | 0,25  |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | -0,78 |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | -0,50 |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | -0,48 |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Frame</b>           | <b>0,58</b>  |
| 76,8 | <b>Dairy Strength</b>  | <b>-0,79</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>-0,11</b> |
| 77,6 | <b>Udder</b>           | <b>0,14</b>  |
|      | <b>SHI</b>             | <b>-16,0</b> |
|      | rank                   | 419.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LOYAL ET</b>   | <b>DE000015206217</b>             | <b>14.11.1991</b> | <b>LAD-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.09.1992     |
|                   |                                   | DEU               | 92/10324       |

### Pedigree

|                            |            |                          |
|----------------------------|------------|--------------------------|
| <b>Sire</b>                | <b>PGS</b> | SWEET-HAVEN TRADITION    |
| ROTHROCK TRADITION LEADMAN |            | US000001682485           |
| US000001983348             | <b>PGD</b> | WALKUP VALIANT LOU ELLA  |
| TDN-004                    |            | US000010930744           |
| <b>Dam</b>                 | <b>MGS</b> | LUTZ-BROOKVIEW MARVEL-ET |
| SANTAMARIA                 |            | US000001876350           |
| DE000015117359             | <b>MGD</b> | MANI                     |
|                            |            | DE000013177126           |

|                             |            |           |            |             |            |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>135</b> | Daug.       | <b>904</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3391</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |             | rank       | 1161.        |
| <b>18101</b>                |            |           |            | <b>-788</b> |            | <b>-28</b> | <b>0,03</b> | <b>SCS</b> | <b>2,50</b>  |
|                             |            |           |            |             |            | <b>-24</b> | <b>0,01</b> | rank       | 79.          |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 11</b> | Daug. | <b>60</b> | 76,4 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>-0,02</b> |
|                  |             |       |                |       |           |      |      | rank        | 483.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,18 |    |    |   |    |    |
| Angularity            | 0,00  |    |    |   |    |    |
| Chest Width           | 0,63  |    |    |   |    |    |
| Body Depth            | 0,19  |    |    |   |    |    |
| Rump Angle            | -0,53 |    |    |   |    |    |
| Rear Legs Side View   | -0,72 |    |    |   |    |    |
| Foot Angle            | -0,46 |    |    |   |    |    |
| Fore Udder Attachment | -0,51 |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,78  |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | -0,65 |    |    |   |    |    |
| Central Ligament      | 0,53  |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

77,8 **Frame** **0,24**

75,0 **Dairy Strength** **1,31**

76,9 **Feet & Legs** **-0,45**

76,0 **Udder** **-0,37**

**SHI** **-103,0**

rank 610.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>GENOS KANON-ET</b> | <b>CZ000519715071</b>             | <b>23.11.2006</b> | <b>LU-035</b>  |
| Country of origin     | CZ                                | <b>Breed</b>      | R100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 09.04.2008     |
|                       |                                   | CZ                | 0800543        |

### Pedigree

|                   |            |                               |
|-------------------|------------|-------------------------------|
| <b>Sire</b>       | <b>PGS</b> | LENTINI-ET                    |
| LICHTBLICK-RED-ET |            | DE001012337003                |
| DE000345785578    | <b>PGD</b> | DITTMER JUBILANT OLORE        |
|                   |            | DE001021588259                |
| <b>Dam</b>        | <b>MGS</b> | PURSUIT SEPTEMBER STORM-ET    |
| GENOS STORMA      |            | CA000006820564                |
| CZ000120672971    | <b>MGD</b> | WEST PORT RUBENS MARIGOLD RED |
|                   |            | CA000010670676                |

|                             |            |           |    |       |     |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 116 | Rel. | 93 %  | <b>SPI</b> | -1506       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 763.        |
| <b>2450</b>                 |            |           |    | -175  |     | -26  | -0,38 | <b>SCS</b> | <b>4,00</b> |
|                             |            |           |    |       |     | -9   | -0,08 | rank       | 1242.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 22 | 78,7 | Rel. | 62 % | <b>TYPE</b> | -0,02 |
|                  |             |       |       |       |    |      |      | rank | 484.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,28  |    |    |   |    |    |
| Rump Angle            | -0,41 |    |    |   |    |    |
| Rear Legs Side View   | -0,31 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | 0,48  |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | -0,36 |    |    |   |    |    |
| Rump Width            | -0,41 |    |    |   |    |    |
| Rear Legs Rear View   | 0,35  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,0 | <b>Frame</b>           | -0,71 |
| 80,5 | <b>Dairy Strength</b>  | 0,32  |
| 81,1 | <b>Feet &amp; Legs</b> | 0,60  |
| 75,4 | <b>Udder</b>           | 0,12  |
|      | <b>SHI</b>             | -46,3 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                            |                   |                       |
|--------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>               | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RIDGE-HEIGHTS MORRIS-ET</b> | <b>US000002189589</b>      | <b>06.03.1992</b> | <b>CB-003</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 05.11.1992 |
|                   |                                   | USA          | IG176556B  |

### Pedigree

|                            |            |                          |
|----------------------------|------------|--------------------------|
| <b>Sire</b>                | <b>PGS</b> | ROCKALLI SON OF BOVA     |
| OSDEL-ENDEAVOR BOVA CUBBY  |            | US000001665634           |
| US000001986164             | <b>PGD</b> | RYND-HOME VALIANT CUTIE  |
| BA-002                     |            | US000011268725           |
| <b>Dam</b>                 | <b>MGS</b> | WHITTIER-FARMS NED BOY   |
| RIDGE-HEIGHTS NEDBOY TAMMY |            | US000001806201           |
| US000012781119             | <b>MGD</b> | RIDGE-HEIGHTS DAISY TWIN |
|                            |            | US000011365262           |

|                             |            |           |            |            |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>103</b> | Daug.      | <b>1717</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>2495</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |             | rank       | 62.         |
| <b>35782</b>                |            |           |            | <b>540</b> |             | <b>31</b> | <b>0,17</b> | <b>SCS</b> | <b>3,29</b> |
|                             |            |           |            |            |             |           |             | rank       | 904.        |

|                  |             |       |                 |       |            |      |      |             |             |              |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>114 / 37</b> | Daug. | <b>588</b> | 77,4 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>-0,02</b> |
|                  |             |       |                 |       |            |      |      | rank        | 485.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,44 |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | 0,54  |    |    |   |    |    |
| Body Depth            | 0,70  |    |    |   |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | -0,61 |    |    |   |    |    |
| Front Teat Placement  | -0,43 |    |    |   |    |    |
| Teat Length           | -0,05 |    |    |   |    |    |
| Rear Udder Height     | 0,07  |    |    |   |    |    |
| Rear Udder Width      | 0,61  |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | -0,66 |    |    |   |    |    |
| Rump Width            | 0,61  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,6 | <b>Frame</b> | <b>0,06</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,4 | <b>Dairy Strength</b> | <b>0,32</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,34</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,6 | <b>Udder</b> | <b>-0,34</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>74,3</b> |
|--|------------|-------------|

rank 139.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>LEFT-MAC CHIEF BELL,BOY</b> | <b>US000002115373</b>             | <b>29.09.1989</b> | <b>WLK-026</b> |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 20.07.1990     |
|                                |                                   | USA               | IG142021E      |

### Pedigree

|                    |            |                           |
|--------------------|------------|---------------------------|
| <b>Sire</b>        | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF |
| WALKWAY CHIEF MARK |            | US000001427381            |
| US000001773417     | <b>PGD</b> | WALKWAY MATT MAMIE        |
|                    |            | US000008309147            |
| <b>Dam</b>         | <b>MGS</b> | WHITTIER-FARMS NED BOY    |
| LEFT-MAC ROSEBUD   |            | US000001806201            |
| US0000013030549    | <b>MGD</b> | LEFT-MAC LENA BELL        |
|                    |            | US0000011336438           |

|                             |            |           |           |            |            |             |             |              |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>55</b> | Daug.      | <b>514</b> | Rel.        | <b>99 %</b> | <b>SPI</b>   | <b>-401</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat         | %           | Prot.        | %           |
| <b>10772</b>                |            |           |           | <b>-55</b> | <b>1</b>   | <b>0,04</b> | <b>-5</b>   | <b>-0,09</b> |             |
|                             |            |           |           |            |            |             |             | <b>SCS</b>   | <b>3,09</b> |
|                             |            |           |           |            |            |             |             | rank         | 511.        |
|                             |            |           |           |            |            |             |             | rank         | 658.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>41 / 19</b> | Daug. | <b>152</b> | 76,5 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,03</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 486.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    | ■ |    |    |
| Angularity            | -0,11 |    |    | ■ |    |    |
| Chest Width           | 0,63  |    |    | ■ | ■  |    |
| Body Depth            | 0,73  |    |    | ■ | ■  |    |
| Rump Angle            | 0,56  |    |    | ■ | ■  |    |
| Rear Legs Side View   | -0,11 |    |    | ■ |    |    |
| Foot Angle            | -0,04 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,25 |    |    | ■ |    |    |
| Front Teat Placement  | -0,92 |    | ■  | ■ |    |    |
| Teat Length           | 0,27  |    |    | ■ |    |    |
| Rear Udder Height     | -0,17 |    |    | ■ |    |    |
| Rear Udder Width      | -0,28 |    |    | ■ |    |    |
| Central Ligament      | 0,09  |    |    | ■ |    |    |
| Udder Depth           | -0,05 |    |    | ■ |    |    |
| Rump Width            | 1,24  |    |    | ■ | ■  | ■  |
| Rear Legs Rear View   | -0,22 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,23  |    |    | ■ |    |    |
| Locomotion            | 0,11  |    |    | ■ |    |    |
| Body Condition        | 0,11  |    |    | ■ |    |    |

daught. average

79,2 **Frame** **0,44**

74,8 **Dairy Strength** **0,63**

76,8 **Feet & Legs** **-0,31**

75,8 **Udder** **-0,50**

**SHI** **-13,3**

rank 402.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>FAME-ET</b>   | <b>DE000579442468</b> | <b>23.01.2002</b> | <b>FBE-003</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 13.03.2002 |
|                   |                                   | DEU          | 02/3841    |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET          |
| FABER RED-ET   |            | US000002129913            |
| DE000340174036 | <b>PGD</b> | LORELEY 12                |
|                |            | DE001021135253            |
| <b>Dam</b>     | <b>MGS</b> | MOSSYS ELM PARK FLANO RED |
| ESKORTE        |            | US000002153299            |
| DE000577909478 | <b>MGD</b> | ESTANA                    |
|                |            | DE000576505981            |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>117</b> | Daug.       | <b>2326</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-259</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |             | rank       | 477.        |
| <b>47929</b>                |            |           |            | <b>-279</b> |             | <b>5</b>  | <b>0,31</b> | <b>SCS</b> | <b>3,27</b> |
|                             |            |           |            |             |             | <b>-0</b> | <b>0,19</b> | rank       | 874.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>35 / 11</b> | Daug. | <b>228</b> | 78,9 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,03</b> |
|                  |             |       |                |       |            |      |      | rank        | 487.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,82 |    |    |   |    |    |
| Angularity            | 0,24  |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -0,53 |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,38 |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | 0,69  |    |    |   |    |    |
| Teat Length           | -1,10 |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | 0,04  |    |    |   |    |    |
| Central Ligament      | -0,04 |    |    |   |    |    |
| Udder Depth           | -0,29 |    |    |   |    |    |
| Rump Width            | 0,00  |    |    |   |    |    |
| Rear Legs Rear View   | 0,70  |    |    |   |    |    |
| Rear Teat Placement   | 0,50  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,7 | <b>Frame</b> | <b>-0,93</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 80,4 | <b>Dairy Strength</b> | <b>0,49</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 80,4 | <b>Feet &amp; Legs</b> | <b>0,29</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,0 | <b>Udder</b> | <b>0,24</b> |
|------|--------------|-------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-9,1</b> |
|--|------------|-------------|

rank 390.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LIERVAL</b>    | <b>FR005895003796</b>             | <b>14.07.1995</b> | <b>DOB-003</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 26.08.1996     |
|                   |                                   | FRA               | GS 604068      |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | BIS-MAY TRADITION CLEITUS     |
| DOMBINATOR-ET  |            | US000001879085                |
| NL000316418898 | <b>PGD</b> | LONG-HAVEN BOVA SAMARA-ET     |
| CLE-023        |            | US000012040197                |
| <b>Dam</b>     | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| IDEE           |            | US000002020049                |
| FR001093000308 | <b>MGD</b> | GUIMAUVE                      |
|                |            | FR005191001075                |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>118</b> | Daug.       | <b>1480</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-74</b>  |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 442.        |
| <b>28335</b>                |            |           |            | <b>31</b>   |             | <b>3</b>   | <b>0,02</b>  | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |            |             |             | <b>-3</b>  | <b>-0,09</b> | rank       | 487.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>44 / 22</b> | Daug. | <b>259</b> | 77,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,03</b> |
|                  |             |       |                |       |            |      |      | rank        | 488.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,04  |    |    |   |    |    |
| Angularity            | 0,25  |    |    |   |    |    |
| Chest Width           | -0,13 |    |    |   |    |    |
| Body Depth            | -0,20 |    |    |   |    |    |
| Rump Angle            | 0,58  |    |    |   |    |    |
| Rear Legs Side View   | -0,18 |    |    |   |    |    |
| Foot Angle            | -0,47 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | 0,73  |    |    |   |    |    |
| Rear Udder Width      | 0,80  |    |    |   |    |    |
| Central Ligament      | -1,06 |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | -0,56 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

79,3 **Frame** **-0,18**

77,4 **Dairy Strength** **0,42**

77,1 **Feet & Legs** **-0,85**

77,1 **Udder** **0,34**

**SHI** **-3,6**

rank 377.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>ZIELLAND ZEBO</b>     | <b>US000002137511</b>                    | <b>01.08.1989</b> | <b>MEW-003</b>        |
| <b>Country of origin</b> | <b>US</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  |                       |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                               | <b>PGS</b> | ARLINDA ROTATE<br>US000001697572          |
| ARLINDA MELWOOD-ET<br>US000001879149      | <b>PGD</b> | ARLINDA COMBI MELODY<br>US000009311697    |
| <b>Dam</b>                                | <b>MGS</b> | ZIELLAND FAST FUTURE<br>US000001984153    |
| ZIELLAND FUTURE HANNAH<br>US0000012630224 | <b>MGD</b> | ZIELLAND JUNIPER JENNY<br>US0000011884728 |

|                             |            |           |    |            |           |             |          |              |            |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.      | 181       | Rel.        | 97 %     | <b>SPI</b>   | 1651       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %           | Prot.    | %            | rank       |
| <b>3765</b>                 |            |           |    | <b>428</b> | <b>20</b> | <b>0,05</b> | <b>8</b> | <b>-0,11</b> | <b>SCS</b> |
|                             |            |           |    |            |           |             |          |              | rank       |
|                             |            |           |    |            |           |             |          |              | 142.       |
|                             |            |           |    |            |           |             |          |              | 327.       |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 16 | Daug. | 48 | 77,6 | Rel. | 85 % | <b>TYPE</b> | -0,04 |
|                  |             |       |         |       |    |      |      |      | rank        | 489.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,14  |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | -0,64 |    |    |   |    |    |
| Body Depth            | 0,57  |    |    |   |    |    |
| Rump Angle            | -0,18 |    |    |   |    |    |
| Rear Legs Side View   | 1,03  |    |    |   |    |    |
| Foot Angle            | 1,09  |    |    |   |    |    |
| Fore Udder Attachment | -0,34 |    |    |   |    |    |
| Front Teat Placement  | -1,05 |    |    |   |    |    |
| Teat Length           | 0,10  |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | -0,42 |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -0,44 |    |    |   |    |    |
| Rump Width            | -0,00 |    |    |   |    |    |
| Rear Legs Rear View   | -0,10 |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,5 | <b>Frame</b> | <b>-0,08</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,1 | <b>Dairy Strength</b> | <b>0,23</b> |
|------|-----------------------|-------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,4 | <b>Feet &amp; Legs</b> | <b>1,21</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 75,9 | <b>Udder</b> | <b>-0,66</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>48,3</b> |
|--|------------|-------------|

rank 209.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>ALTHEO</b>     | <b>DE001021124022</b>             | <b>17.08.1991</b> | <b>ARS-016</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 30.10.1991            |
|                   |                                   | DEU               | 91/13879              |

### Pedigree

|                    |            |                      |
|--------------------|------------|----------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR |            | CA000000352790       |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011            |            | CA0000003511527      |
| <b>Dam</b>         | <b>MGS</b> | ACHIM-ET             |
| FLOCKI 11          |            | DE001008169690       |
| DE001020608094     | <b>MGD</b> | FLORA 13             |
|                    |            | DE001020013011       |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 72 | Daug. | 682 | Rel. | 99 % | <b>SPI</b> | -2872 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 12243                       |            |           |    | -641  |     | -23  | 0,03 | -21        | -0,04 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,08  |
|                             |            |           |    |       |     |      |      | rank       | 1059. |
|                             |            |           |    |       |     |      |      | rank       | 632.  |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 8 | Daug. | 79 | 76,2 | Rel. | 85 % | <b>TYPE</b> | -0,05 |
|                  |             |       |        |       |    |      |      |      | rank        | 490.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,97  |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | -0,03 |    |    |   |    |    |
| Rear Legs Side View   | -0,42 |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | -1,04 |    |    |   |    |    |
| Front Teat Placement  | 0,00  |    |    |   |    |    |
| Teat Length           | 1,44  |    |    |   |    |    |
| Rear Udder Height     | -0,71 |    |    |   |    |    |
| Rear Udder Width      | -0,19 |    |    |   |    |    |
| Central Ligament      | 0,71  |    |    |   |    |    |
| Udder Depth           | -0,88 |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | -0,28 |    |    |   |    |    |
| Rear Teat Placement   | -0,05 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,4 | <b>Frame</b>           | <b>0,86</b>  |
| 74,1 | <b>Dairy Strength</b>  | <b>0,84</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-0,97</b> |
| 75,4 | <b>Udder</b>           | <b>-0,33</b> |
|      | <b>SHI</b>             | <b>-88,8</b> |
|      | rank                   | 589.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>RESERVAT-ET</b> | <b>DE000351623203</b> | <b>17.06.2007</b> | <b>BES-018</b> |
| Country of origin  | DE                    | <b>Breed</b>      | H100           |
| Distributor        | INSEMAS s.r.o.        | Herdbook          | HA             |
|                    |                       | Paternity         | 12.09.2007     |
|                    |                       | DE                | 07/42043       |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | JOCKO BESN     |
| ROUMARE        |            | FR005694028588 |
| FR002217051448 | <b>PGD</b> | ODESSA 1270    |
|                |            | FR002298001828 |
| <b>Dam</b>     | <b>MGS</b> | EMINENZ-ET     |
| ANASTASIA      |            | DE000340055654 |
| DE000346653529 | <b>MGD</b> | ANABELL        |
|                |            | DE000341781993 |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 194 | Rel.     | 96 %         | <b>SPI</b> | 1362         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | Prot.      | %            |
| <b>4014</b>                 |            |           |    | <b>405</b> |     | <b>4</b> | <b>-0,22</b> | <b>11</b>  | <b>-0,04</b> |
|                             |            |           |    |            |     |          |              | rank       | 176.         |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |    |            |     |          |              | rank       | 606.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 6 | Daug. | 28 | 79,8 | Rel. | 66 % | <b>TYPE</b> | -0,05 |
|                  |             |       |        |       |    |      |      |      | rank        | 491.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,91  |    |    |   |    |    |
| Angularity            | 0,67  |    |    |   |    |    |
| Chest Width           | -0,91 |    |    |   |    |    |
| Body Depth            | -0,73 |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,07 |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | 0,45  |    |    |   |    |    |
| Front Teat Placement  | 0,30  |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | 0,36  |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | 1,48  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | -0,67 |    |    |   |    |    |
| Rear Teat Placement   | -0,09 |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | -0,86 |    |    |   |    |    |

daught. average

83,9 **Frame** **0,36**

80,6 **Dairy Strength** **-0,39**

80,0 **Feet & Legs** **-1,19**

77,0 **Udder** **0,22**

**SHI** **38,9**

rank 236.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOMAZ</b>      | <b>DE000340179670</b>      | <b>24.02.1997</b> | <b>BW-008</b>         |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 26.03.1997            |
|                   |                            | DEU               | 97/4759               |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| MAIZEFIELD BELLWOOD-ET |            | US000001879149             |
| US000002103297         | <b>PGD</b> | BREN-WAY BELL BETSY        |
| MEW-004                |            | US000012052401             |
| <b>Dam</b>             | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |
| KOMTESSE               |            | US000001983348             |
| DE001021152429         | <b>MGD</b> | KORDULA                    |
|                        |            | DE001020503706             |
|                        |            | TDN-004                    |

|                             |            |           |            |            |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>191</b> | Daug.      | <b>3795</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>788</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |             | rank       | 282.        |
| <b>72695</b>                |            |           |            | <b>138</b> |             | <b>13</b> | <b>0,14</b> | <b>SCS</b> | <b>3,20</b> |
|                             |            |           |            |            |             |           |             | rank       | 790.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>42 / 21</b> | Daug. | <b>270</b> | 77,7 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,06</b> |
|                  |             |       |                |       |            |      |      | rank        | 492.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,52  |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | 0,53  |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,75 |    |    |   |    |    |
| Teat Length           | 1,04  |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | -0,08 |    |    |   |    |    |
| Udder Depth           | -0,27 |    |    |   |    |    |
| Rump Width            | -0,69 |    |    |   |    |    |
| Rear Legs Rear View   | -0,13 |    |    |   |    |    |
| Rear Teat Placement   | -0,70 |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,2 | <b>Frame</b>           | <b>0,50</b>  |
| 78,7 | <b>Dairy Strength</b>  | <b>0,71</b>  |
| 77,2 | <b>Feet &amp; Legs</b> | <b>0,12</b>  |
| 75,6 | <b>Udder</b>           | <b>-0,96</b> |
|      | <b>SHI</b>             | <b>21,5</b>  |
|      | rank                   | 288.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DORDELL CONCORD-ET</b> | <b>US000130486802</b>      | <b>18.12.1999</b> | <b>ELN-012</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 20.09.2004 |
|                   |                                   | CAN          | DC125616   |

### Pedigree

|                         |            |                              |
|-------------------------|------------|------------------------------|
| <b>Sire</b>             | <b>PGS</b> | EMPRISE BELL ELTON           |
| WA-DEL CONVINCER-ET     |            | US000001912270               |
| US000002249055          | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET      |
| ELN-002                 |            | US000013372706               |
| <b>Dam</b>              | <b>MGS</b> | HA-HO CUBBY MANFRED-ET       |
| DORDELL MANFRED 1909-ET |            | US000002183007               |
| US000121106762          | <b>MGD</b> | ROCK-WILLS AEROSTAR DIXIE-ET |
|                         |            | US000015005912               |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 54 | Daug. | 712 | Rel. | 99 %  | <b>SPI</b> | 1983       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 15440                       |            |           |    | 284   | 27  | 0,28 | 13    | 0,09       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 106.       |
|                             |            |           |    |       |     |      |       |            | 1030.      |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 51 / 21 | Daug. | 240 | 79,0 | Rel. | 95 % | <b>TYPE</b> | -0,06 |
|                  |             |       |         |       |     |      |      |      | rank        | 493.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,38  |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,34  |    |    |   |    |    |
| Body Depth            | 0,41  |    |    |   |    |    |
| Rump Angle            | 0,47  |    |    |   |    |    |
| Rear Legs Side View   | -0,62 |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | 0,19  |    |    |   |    |    |
| Front Teat Placement  | 0,01  |    |    |   |    |    |
| Teat Length           | 1,06  |    |    |   |    |    |
| Rear Udder Height     | -0,69 |    |    |   |    |    |
| Rear Udder Width      | -0,83 |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | 0,09  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,51 |    |    |   |    |    |
| Rear Teat Placement   | 0,58  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,21  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,9 | <b>Frame</b> | <b>0,93</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,1 | <b>Dairy Strength</b> | <b>0,19</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,5 | <b>Feet &amp; Legs</b> | <b>-0,92</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 77,4 | <b>Udder</b> | <b>-0,59</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>57,4</b> |
|--|------------|-------------|

rank 186.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>FEUERBACH</b>  | <b>DE000114151904</b>             | <b>01.11.2002</b> | <b>FNN-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 06.01.2003            |
|                   |                                   | DEU               | 03/108                |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET          |
| FINN           |            | US000002129913            |
| DE000577222755 | <b>PGD</b> | LARISSA                   |
|                |            | DE001020920341            |
| <b>Dam</b>     | <b>MGS</b> | MOSSYS ELM PARK FLANO RED |
| ALEXANDRA      |            | US000002153299            |
| DE000111799393 | <b>MGD</b> | VEILCHEN                  |
|                |            | DE000110084567            |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 32 | Daug. | 95  | Rel. | 93 %  | <b>SPI</b> | -1947      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 2297                        |            |           |    | -565  | -8  | 0,27 | -15   | 0,07       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 181.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 8 | Daug. | 36 | 76,8 | Rel. | 74 % | <b>TYPE</b> | -0,06 |
|                  |             |       |       |       |    |      |      |      | rank        | 494.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,02 |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | 0,21  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | -0,60 |    |    |   |    |    |
| Rear Legs Side View   | -0,59 |    |    |   |    |    |
| Foot Angle            | 0,51  |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | 0,90  |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | 0,02  |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,4 | <b>Frame</b>           | <b>0,05</b>  |
| 77,9 | <b>Dairy Strength</b>  | <b>0,21</b>  |
| 77,8 | <b>Feet &amp; Legs</b> | <b>1,20</b>  |
| 74,4 | <b>Udder</b>           | <b>-0,94</b> |
|      | <b>SHI</b>             | <b>-61,2</b> |
|      | rank                   | 532.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>OMBIS</b>     | <b>NL000370771692</b> | <b>03.05.2004</b> | <b>MED-009</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 04.08.2004 |
|                   |                                   | NL           | 116530     |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | RICECREST BRETT-ET          |
| DEBBIE JO                |            | US000002289548              |
| NL000322769492           | <b>MGD</b> | REGANCREST DEBBI-JO-ET      |
|                          |            | US000017320391              |

|                             |            |           |    |            |           |              |           |             |            |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.      | 69        | Rel.         | 91 %      | <b>SPI</b>  | 1977       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.     | %           | rank       |
| <b>1519</b>                 |            |           |    | <b>447</b> | <b>16</b> | <b>-0,03</b> | <b>14</b> | <b>0,01</b> | <b>SCS</b> |
|                             |            |           |    |            |           |              |           |             | rank       |
|                             |            |           |    |            |           |              |           |             | 107.       |
|                             |            |           |    |            |           |              |           |             | 2,52       |
|                             |            |           |    |            |           |              |           |             | rank       |
|                             |            |           |    |            |           |              |           |             | 83.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 20 | 78,3 | Rel. | 65 % | <b>TYPE</b> | -0,06 |
|                  |             |       |       |       |    |      |      |      | rank        | 495.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,09 |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,66  |    |    |   |    |    |
| Body Depth            | 0,31  |    |    |   |    |    |
| Rump Angle            | -0,67 |    |    |   |    |    |
| Rear Legs Side View   | -0,41 |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | 0,15  |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | -0,26 |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | -0,91 |    |    |   |    |    |
| Udder Depth           | 0,61  |    |    |   |    |    |
| Rump Width            | 0,68  |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | -0,77 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 83,4 | <b>Frame</b> | <b>0,18</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,8 | <b>Dairy Strength</b> | <b>-0,05</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,27</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 74,7 | <b>Udder</b> | <b>-0,50</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>57,0</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DUDOC BACCULUM-ET</b> | <b>CA000009104500</b>      | <b>03.05.1999</b> | <b>ATE-008</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 25.06.1999 |
|                   |                | CAN          | BT439256   |

### Pedigree

|                          |            |                           |
|--------------------------|------------|---------------------------|
| <b>Sire</b>              | <b>PGS</b> | DUREGAL ASTRE STARBUCK ET |
| STBVQ RUBENS-ET          |            | CA000000392405            |
| CA000005844883           | <b>PGD</b> | HANOVERHILL STAR ROYAL ET |
|                          |            | CA000004323541            |
| <b>Dam</b>               | <b>MGS</b> | STARTMORE RUDOLPH-ET      |
| KARONA RUDOLPH PASSAT-ET |            | CA000005470579            |
| CA000006846320           | <b>MGD</b> | KARONA ROOSTER TRILL      |
|                          |            | CA000005596900            |

|                             |            |           |           |             |             |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.       | <b>1095</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1939</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        |              | rank       | 865.         |
| <b>23195</b>                |            |           |           | <b>-319</b> |             | <b>-22</b> | <b>-0,21</b> | <b>SCS</b> | <b>2,57</b>  |
|                             |            |           |           |             |             | <b>-14</b> | <b>-0,10</b> | rank       | 104.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 5</b> | Daug. | <b>117</b> | 78,5 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,07</b> |
|                  |             |       |               |       |            |      |      | rank        | 496.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | 0,67  |    |    |   |    |    |
| Chest Width           | -1,33 |    |    |   |    |    |
| Body Depth            | -1,39 |    |    |   |    |    |
| Rump Angle            | -1,28 |    |    |   |    |    |
| Rear Legs Side View   | 0,67  |    |    |   |    |    |
| Foot Angle            | -0,79 |    |    |   |    |    |
| Fore Udder Attachment | 0,90  |    |    |   |    |    |
| Front Teat Placement  | 1,31  |    |    |   |    |    |
| Teat Length           | -0,77 |    |    |   |    |    |
| Rear Udder Height     | 1,11  |    |    |   |    |    |
| Rear Udder Width      | -0,41 |    |    |   |    |    |
| Central Ligament      | 1,01  |    |    |   |    |    |
| Udder Depth           | 2,48  |    |    |   |    |    |
| Rump Width            | -0,79 |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | 0,85  |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 80,5 | <b>Frame</b>           | <b>-1,92</b> |
|                 | 79,0 | <b>Dairy Strength</b>  | <b>-0,52</b> |
|                 | 77,8 | <b>Feet &amp; Legs</b> | <b>-1,98</b> |
|                 | 77,5 | <b>Udder</b>           | <b>2,31</b>  |
|                 |      | <b>SHI</b>             | <b>-61,2</b> |
|                 |      | rank                   | 531.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>TORYS TORNADO-RED-ET</b> | <b>US000134574934</b>             | <b>08.09.2003</b> | <b>PRX-003</b> |
| Country of origin           | US                                | <b>Breed</b>      | R100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 24.09.2004     |
|                             |                                   | US                | DC126260       |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | GLEN-TOCTIN JOHNSON-ET      |
| STARSTRUCK J PARADOX-RED-ET |            | US000002145651              |
| US000017286871              | <b>PGD</b> | J-DON MENTUM PILLAR-RED-ET  |
|                             |            | US000015062983              |
| <b>Dam</b>                  | <b>MGS</b> | STBVQ RUBENS-ET             |
| NEW-VISION RUBENS TORY      |            | CA000005844883              |
| US000127783543              | <b>MGD</b> | NEW-VISION STORM TOBIANA-ET |
|                             |            | US000121263872              |

|                             |            |           |           |            |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>590</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-983</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat        | %            | Prot.      | %            |
| <b>11110</b>                |            |           |           | <b>-39</b> |            | <b>-17</b> | <b>-0,30</b> | <b>-7</b>  | <b>-0,14</b> |
|                             |            |           |           |            |            |            |              | <b>SCS</b> | <b>2,81</b>  |
|                             |            |           |           |            |            |            |              | rank       | 641.         |
|                             |            |           |           |            |            |            |              | rank       | 307.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>26 / 8</b> | Daug. | <b>316</b> | 79,2 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,07</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 497.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,91 |    |    |   |    |    |
| Angularity            | 0,75  |    |    |   |    |    |
| Chest Width           | -0,83 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | -0,58 |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | 0,74  |    |    |   |    |    |
| Front Teat Placement  | 0,72  |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,89  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 0,50  |    |    |   |    |    |
| Udder Depth           | 0,95  |    |    |   |    |    |
| Rump Width            | -1,47 |    |    |   |    |    |
| Rear Legs Rear View   | 0,75  |    |    |   |    |    |
| Rear Teat Placement   | 0,89  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>-1,80</b> |
| 80,8 | <b>Dairy Strength</b>  | <b>0,01</b>  |
| 80,4 | <b>Feet &amp; Legs</b> | <b>-1,16</b> |
| 76,9 | <b>Udder</b>           | <b>1,84</b>  |
|      | <b>SHI</b>             | <b>-32,4</b> |
|      | rank                   | 460.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>REBUSO-ET</b>  | <b>DE000767986576</b>             | <b>30.08.2001</b> | <b>MOR-012</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 16.10.2001     |
|                   |                                   | DEU               | 01/11573       |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | MR HURL-THREE MOMENTUM RED-ET |
| RAINBOW-ET     |            | US000002041332                |
| US000002260994 | <b>PGD</b> | MISS RAINBOW LMAN 616-ET      |
|                |            | US000014373103                |
| <b>Dam</b>     | <b>MGS</b> | CHAPEL-BANK LAREDO RED        |
| DONATE 90      |            | US000002199279                |
| DE000767463098 | <b>MGD</b> | DONNAKLARA 68                 |
|                |            | DE000760224782                |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 85  | Rel. | 91 %  | <b>SPI</b> | -1038      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1763</b>                 |            |           |    | -271  | -6  | 0,08 | -8    | 0,01       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 657.       |
|                             |            |           |    |       |     |      |       |            | 383.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 16 | 78,0 | Rel. | 57 % | <b>TYPE</b> | -0,07 |
|                  |             |       |       |       |    |      |      |      | rank        | 498.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,41 |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,75 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | -0,48 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | 0,36  |    |    |   |    |    |
| Front Teat Placement  | -0,32 |    |    |   |    |    |
| Teat Length           | -0,66 |    |    |   |    |    |
| Rear Udder Height     | 0,68  |    |    |   |    |    |
| Rear Udder Width      | 1,29  |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | -0,09 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | -0,17 |    |    |   |    |    |
| Locomotion            | -0,28 |    |    |   |    |    |
| Body Condition        | 0,28  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,3 | <b>Frame</b>           | -0,99 |
| 78,8 | <b>Dairy Strength</b>  | -0,05 |
| 77,8 | <b>Feet &amp; Legs</b> | -0,38 |
| 77,6 | <b>Udder</b>           | 0,73  |
|      | <b>SHI</b>             | -34,3 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>LARIX</b>     | <b>NL000370378587</b> | <b>19.04.2004</b> | <b>FBE-006</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.06.2005 |
|                   |                                   | NL           | 128020     |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET |
| FABER RED-ET   |            | US000002129913   |
| DE000340174036 | <b>PGD</b> | LORELEY 12       |
|                |            | DE001021135253   |
| <b>Dam</b>     | <b>MGS</b> | CLIFFORD         |
| RITA 23        |            | BE095701333078   |
| NL000216650415 | <b>MGD</b> | RITA 15          |
|                |            | NL000118347130   |

|                             |            |           |    |             |            |             |            |             |              |
|-----------------------------|------------|-----------|----|-------------|------------|-------------|------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.       | 74         | Rel.        | 90 %       | <b>SPI</b>  | -2796        |
| Number controls             |            | <b>BV</b> |    | Milk        | Fat        | %           | Prot.      | %           | rank         |
| <b>1309</b>                 |            |           |    | <b>-854</b> | <b>-24</b> | <b>0,19</b> | <b>-15</b> | <b>0,29</b> | <b>1043.</b> |
|                             |            |           |    |             |            |             |            |             | <b>SCS</b>   |
|                             |            |           |    |             |            |             |            |             | <b>4,06</b>  |
|                             |            |           |    |             |            |             |            |             | rank         |
|                             |            |           |    |             |            |             |            |             | 1247.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 21 | 77,3 | Rel. | 62 % | <b>TYPE</b> | -0,08 |
|                  |             |       |       |       |    |      |      |      | rank        | 499.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,95  |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | -0,67 |    |    |   |    |    |
| Body Depth            | -0,32 |    |    |   |    |    |
| Rump Angle            | 0,76  |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | 0,56  |    |    |   |    |    |
| Front Teat Placement  | -1,06 |    |    |   |    |    |
| Teat Length           | -0,80 |    |    |   |    |    |
| Rear Udder Height     | 0,20  |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | 0,80  |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | 0,28  |    |    |   |    |    |
| Rear Teat Placement   | -0,83 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,2 | <b>Frame</b> | <b>0,79</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,4 | <b>Dairy Strength</b> | <b>-0,26</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Feet &amp; Legs</b> | <b>-0,34</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,0 | <b>Udder</b> | <b>-0,15</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-87,4</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>CHANCE MASCOT LE ADAM-ET</b> | <b>US000002197080</b>             | <b>13.05.1992</b> | <b>MAS-011</b> |
| Country of origin               | US                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 14.12.1992     |
|                                 |                                   | USA               | IG177835C      |

### Pedigree

|                               |            |                          |
|-------------------------------|------------|--------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY   |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201           |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY |
| NBV-011                       |            | US000011356580           |
| <b>Dam</b>                    | <b>MGS</b> | WALKWAY CHIEF MARK       |
| LIGHT-RIDGE FAIRHIL MARK-EL   |            | US000001773417           |
| US000012532410                | <b>MGD</b> | LIGHTS-RBR BELL ELLEN    |
|                               |            | US000011258529           |

|                             |            |           |            |            |             |          |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>128</b> | Daug.      | <b>2056</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1324</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      | %            | Prot.      | %            |
| <b>43265</b>                |            |           |            | <b>445</b> |             | <b>4</b> | <b>-0,23</b> | <b>9</b>   | <b>-0,10</b> |
|                             |            |           |            |            |             |          |              | <b>SCS</b> | <b>3,32</b>  |
|                             |            |           |            |            |             |          |              | rank       | 183.         |
|                             |            |           |            |            |             |          |              | rank       | 946.         |

|                  |             |       |                 |       |            |      |      |             |             |              |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>115 / 38</b> | Daug. | <b>763</b> | 77,1 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>-0,09</b> |
|                  |             |       |                 |       |            |      |      |             | rank        | 500.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | 0,15  |    |    |   |    |    |
| Chest Width           | 0,51  |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,06 |    |    |   |    |    |
| Fore Udder Attachment | -0,61 |    |    |   |    |    |
| Front Teat Placement  | 0,48  |    |    |   |    |    |
| Teat Length           | 0,53  |    |    |   |    |    |
| Rear Udder Height     | -0,35 |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | -0,95 |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | -0,65 |    |    |   |    |    |
| Rear Teat Placement   | 1,05  |    |    |   |    |    |
| Locomotion            | 0,29  |    |    |   |    |    |
| Body Condition        | -0,32 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,5 | <b>Frame</b>           | <b>-0,03</b> |
| 76,6 | <b>Dairy Strength</b>  | <b>1,39</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-0,70</b> |
| 76,2 | <b>Udder</b>           | <b>-0,42</b> |
|      | <b>SHI</b>             | <b>36,5</b>  |
|      | rank                   | 245.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>CESAR FORMATION VIVID-ET</b> | <b>IT000912047860</b> | <b>25.12.1997</b> | <b>FOM-006</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | IT                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 28.07.1998 |
|                   |                                   | ITA          | 17         |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                    |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY          |
| LAD-009                     | US000013008118 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | SOUTHWIND BELL OF BAR-LEE  |
| BESSY                       | US000001964484 | BEL-001                    |
| FR005990025834              | <b>MGD</b>     | DIX-JIM CHAIRMAN BESS B C  |
|                             | US000011782397 |                            |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>87</b> | Daug.      | <b>898</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>295</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 369.         |
| <b>17380</b>                |            |           |           | <b>269</b> |            | <b>-6</b> | <b>-0,31</b> | <b>1</b>   | <b>-0,15</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,12</b>  |
|                             |            |           |           |            |            |           |              | rank       | 685.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 6</b> | Daug. | <b>76</b> | 78,5 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>-0,09</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 501.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | -0,50 |    |    |   |    |    |
| Chest Width           | 0,54  |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | 0,23  |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | 0,50  |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | -0,13 |    |    |   |    |    |
| Rear Udder Width      | 0,48  |    |    |   |    |    |
| Central Ligament      | -1,08 |    |    |   |    |    |
| Udder Depth           | -0,62 |    |    |   |    |    |
| Rump Width            | 0,78  |    |    |   |    |    |
| Rear Legs Rear View   | -0,74 |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | -0,37 |    |    |   |    |    |
| Body Condition        | 0,30  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 81,8 | <b>Frame</b>           | <b>0,81</b>  |
|                 | 78,4 | <b>Dairy Strength</b>  | <b>-0,55</b> |
|                 | 78,1 | <b>Feet &amp; Legs</b> | <b>-1,14</b> |
|                 | 77,1 | <b>Udder</b>           | <b>-0,15</b> |
|                 |      | <b>SHI</b>             | <b>5,5</b>   |
|                 |      | rank                   | 352.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>HI-VAL LICORICE-RED-ET</b> | <b>US000002243767</b> | <b>03.07.1993</b> | <b>LSR-001</b> |
| Country of origin <b>US</b>   |                       | <b>Breed</b>      | R100           |
| Distributor                   |                       | Herdbook          | HA             |
|                               |                       | Paternity         |                |

### Pedigree

|                        |            |                                |         |
|------------------------|------------|--------------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | MADAWASKA AEROSTAR             |         |
| SHADY-LAWN-U LESTER-ET |            | CA000000383622                 | STB-011 |
| US000002169878         | <b>PGD</b> | SHADY-LAWN-U LICORICE RED      |         |
|                        |            | US0000011882992                |         |
| <b>Dam</b>             | <b>MGS</b> | TESK-HOLM VALIANT ROCKIE       |         |
| ANKER-MA LAURA-ET      |            | US000001841366                 | VAL-016 |
| US0000014496131        | <b>MGD</b> | TENNIS MISS LISA MISTY 658-RED |         |
|                        |            | US0000012771080                |         |

|                             |            |           |           |           |            |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.     | <b>456</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-875</b> |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat        |              | rank       | 620.        |
| <b>8992</b>                 |            |           |           | <b>38</b> |            | <b>-13</b> | <b>-0,29</b> | <b>SCS</b> | <b>3,56</b> |
|                             |            |           |           |           |            | <b>-9</b>  | <b>-0,22</b> | rank       | 1137.       |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>31</b> | 76,5 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,09</b> |
|                  |             |       |               |       |           |      |      | rank        | 502.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | -0,81 |    |    |   |    |    |
| Chest Width           | 0,76  |    |    |   |    |    |
| Body Depth            | 0,39  |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | -0,11 |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | 0,01  |    |    |   |    |    |
| Front Teat Placement  | -0,40 |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | -0,26 |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,25 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | -0,63 |    |    |   |    |    |
| Rear Legs Rear View   | 1,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

daught. average

77,7 **Frame** **0,31**

74,4 **Dairy Strength** **-1,29**

77,5 **Feet & Legs** **-0,12**

76,3 **Udder** **0,09**

**SHI** **-29,9**

rank 456.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                      |                   |                |
|--------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number  | Birth date        | State Register |
| <b>ADENAUER-ET</b> | <b>DE00000669752</b> | <b>24.04.2000</b> | <b>MNA-004</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 15.06.2000 |
|                   |                                   | DEU          | 00/7898    |

### Pedigree

|                   |            |                           |
|-------------------|------------|---------------------------|
| <b>Sire</b>       | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| ETAZON ADDISON-ET |            | US000002070579            |
| NL000839380546    | <b>PGD</b> | RAY-002                   |
|                   |            | TIDY-BROOK ELTON STEPH-ET |
|                   |            | US000014080279            |
| <b>Dam</b>        | <b>MGS</b> | ETAZON CELSIUS-ET         |
| LOOKING 20        |            | NL000460508522            |
| NL000146837126    | <b>MGD</b> | LOOKING 3                 |
|                   |            | NL000782821169            |

|                             |            |           |    |           |     |            |              |            |              |
|-----------------------------|------------|-----------|----|-----------|-----|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug.     | 133 | Rel.       | 94 %         | <b>SPI</b> | -381         |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat        | %            | Prot.      | %            |
| <b>2870</b>                 |            |           |    | <b>86</b> |     | <b>-19</b> | <b>-0,43</b> | <b>0</b>   | <b>-0,06</b> |
|                             |            |           |    |           |     |            |              | <b>SCS</b> | <b>2,86</b>  |
|                             |            |           |    |           |     |            |              | rank       | 503.         |
|                             |            |           |    |           |     |            |              | rank       | 348.         |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 12 | Daug. | 39 | 77,5 | Rel. | 74 % | <b>TYPE</b> | -0,09 |
|                  |             |       |         |       |    |      |      |      | rank        | 503.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,30 |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | -0,61 |    |    |   |    |    |
| Rump Angle            | 0,27  |    |    |   |    |    |
| Rear Legs Side View   | -0,78 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,84  |    |    |   |    |    |
| Front Teat Placement  | 1,07  |    |    |   |    |    |
| Teat Length           | -0,85 |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,73 |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | 0,47  |    |    |   |    |    |
| Rump Width            | -0,52 |    |    |   |    |    |
| Rear Legs Rear View   | -0,74 |    |    |   |    |    |
| Rear Teat Placement   | 0,70  |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | 0,17  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 79,5 | <b>Frame</b> | <b>-0,56</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,2 | <b>Dairy Strength</b> | <b>-0,84</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,82</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,7 | <b>Udder</b> | <b>0,46</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-15,1</b> |
|--|------------|--------------|

rank 414.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MAPUTO-ET</b>  | <b>BE000217053420</b>             | <b>18.02.2005</b> | <b>MED-008</b> |
| Country of origin | BE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.05.2005     |
|                   |                                   | BE                | 210917         |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | HA-HO CUBBY MANFRED-ET      |
| O-BEE MANFRED JUSTICE-ET |            | US000002183007              |
| US000122358313           | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET |
| MED-012                  |            | US000015459080              |
| <b>Dam</b>               | <b>MGS</b> | WA-DEL CONVINCER-ET         |
| PETUNIA 1                |            | US000002249055              |
| FR004240276662           | <b>MGD</b> | ALTAJRORIE (ALTA OR805)     |
|                          |            | NL000181186289              |
|                          |            | ELN-002                     |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>95</b> | Daug.      | <b>1607</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>1951</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | Prot.      | %           |
| <b>29588</b>                |            |           |           | <b>378</b> |             | <b>13</b> | <b>-0,05</b> | <b>17</b>  | <b>0,10</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,12</b> |
|                             |            |           |           |            |             |           |              | rank       | 109.        |
|                             |            |           |           |            |             |           |              | rank       | 11.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>49 / 21</b> | Daug. | <b>236</b> | 79,8 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,09</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 504.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | 0,08  |    |    |   |    |    |
| Chest Width           | 0,05  |    |    |   |    |    |
| Body Depth            | -0,20 |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | 0,48  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | 0,87  |    |    |   |    |    |
| Front Teat Placement  | 0,49  |    |    |   |    |    |
| Teat Length           | 1,15  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,41 |    |    |   |    |    |
| Central Ligament      | -0,00 |    |    |   |    |    |
| Udder Depth           | 0,78  |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | -1,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,0 | <b>Frame</b>           | <b>-0,47</b> |
| 81,0 | <b>Dairy Strength</b>  | <b>-0,09</b> |
| 80,7 | <b>Feet &amp; Legs</b> | <b>-1,05</b> |
| 77,0 | <b>Udder</b>           | <b>0,51</b>  |
|      | <b>SHI</b>             | <b>55,3</b>  |
|      | rank                   | 190.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>BENNER NEVIN</b> | <b>CA000006477445</b> | <b>04.03.1996</b> | <b>LU-014</b>  |
| Country of origin   | CA                    | <b>Breed</b>      | H100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 04.12.1996     |
|                     |                       | CAN               | 383847         |

### Pedigree

|                              |            |                             |
|------------------------------|------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN |            | US000001879085              |
| US000002071864               |            | CLE-003                     |
| CLE-005                      | <b>PGD</b> | NORRIELAKE VALIANT CHEER-ET |
|                              |            | US000012365669              |
| <b>Dam</b>                   | <b>MGS</b> | TO-MAR BLACKSTAR-ET         |
| ARMADELE BLACKSTAR NAN-ET    |            | US000001929410              |
| CA000005363184               |            | CHR-002                     |
|                              | <b>MGD</b> | MELWOOD NED BOY NELL        |
|                              |            | CA000004638087              |

|                             |            |           |    |           |     |           |              |            |              |
|-----------------------------|------------|-----------|----|-----------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.     | 315 | Rel.      | 97 %         | <b>SPI</b> | 233          |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat       | %            | Prot.      | %            |
| <b>5820</b>                 |            |           |    | <b>86</b> |     | <b>-1</b> | <b>-0,10</b> | <b>2</b>   | <b>-0,01</b> |
|                             |            |           |    |           |     |           |              | <b>SCS</b> | <b>3,30</b>  |
|                             |            |           |    |           |     |           |              | rank       | 383.         |
|                             |            |           |    |           |     |           |              | rank       | 911.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 8 | Daug. | 64 | 78,0 | Rel. | 83 % | <b>TYPE</b> | -0,10 |
|                  |             |       |        |       |    |      |      |      | rank        | 505.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,11  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,27 |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,12  |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,65 |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,89  |    |    |   |    |    |
| Teat Length           | 0,43  |    |    |   |    |    |
| Rear Udder Height     | -0,49 |    |    |   |    |    |
| Rear Udder Width      | -0,42 |    |    |   |    |    |
| Central Ligament      | 1,11  |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | -0,79 |    |    |   |    |    |
| Rear Legs Rear View   | 0,37  |    |    |   |    |    |
| Rear Teat Placement   | 0,54  |    |    |   |    |    |
| Locomotion            | -0,76 |    |    |   |    |    |
| Body Condition        | -0,48 |    |    |   |    |    |

daught. average

82,3 **Frame** **0,81**

79,3 **Dairy Strength** **0,54**

75,4 **Feet & Legs** **-1,46**

76,7 **Udder** **-0,01**

**SHI** **3,0**

rank 357.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>VAR CALANO TV</b> | <b>DK000000238091</b>             | <b>16.01.1996</b> | <b>JUX-004</b> |
| Country of origin    | DK                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 01.04.1996     |
|                      |                                   | DNK               | 221297         |

### Pedigree

|                |            |                           |         |
|----------------|------------|---------------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | TO-MAR BLACKSTAR-ET       |         |
| KED JUROR-ET   |            | US000001929410            | CHR-002 |
| US000002124357 | <b>PGD</b> | KED MARK JUSTINE          |         |
| BS-017         |            | US000012750091            |         |
| <b>Dam</b>     | <b>MGS</b> | BIS-MAY TRADITION CLEITUS |         |
|                |            | US000001879085            | CLE-003 |
| DK003158900740 | <b>MGD</b> |                           |         |
|                |            | DK003158900599            |         |

|                             |            |           |    |             |     |           |             |            |             |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.       | 367 | Rel.      | 98 %        | <b>SPI</b> | -2787       |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %           | Prot.      | %           |
| <b>5822</b>                 |            |           |    | <b>-915</b> |     | <b>-9</b> | <b>0,58</b> | <b>-20</b> | <b>0,22</b> |
|                             |            |           |    |             |     |           |             | <b>SCS</b> | <b>3,46</b> |
|                             |            |           |    |             |     |           |             | rank       | 1041.       |
|                             |            |           |    |             |     |           |             | rank       | 1077.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 2 | Daug. | 89 | 79,0 | Rel. | 86 % | <b>TYPE</b> | -0,10 |
|                  |             |       |       |       |    |      |      |      | rank        | 506.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,97  |    |    |   |    |    |
| Angularity            | -0,21 |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | -0,00 |    |    |   |    |    |
| Rump Angle            | 1,03  |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | -0,36 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | 0,95  |    |    |   |    |    |
| Teat Length           | 0,41  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,76 |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 0,94  |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | -1,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | -0,66 |    |    |   |    |    |
| Body Condition        | 0,13  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,7 | <b>Frame</b>           | <b>1,44</b>  |
| 79,0 | <b>Dairy Strength</b>  | <b>0,06</b>  |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-2,25</b> |
| 77,4 | <b>Udder</b>           | <b>-0,33</b> |
|      | <b>SHI</b>             | <b>-88,2</b> |
|      | rank                   | 588.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>EBENISTE</b>   | <b>FR002941260884</b>             | <b>05.01.2009</b> | <b>BES-021</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.07.2010     |
|                   |                                   | FR                | F/S 549333     |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | JOCKO BESN       |
| JANGO          |            | FR005694028588   |
| DE000347136242 | <b>PGD</b> | KHL SUTANE       |
|                |            | DE000342914455   |
| <b>Dam</b>     | <b>MGS</b> | R-E-W BUCKEYE-ET |
| BRITISH        |            | US000130588960   |
| FR002941260454 | <b>MGD</b> | UMEA             |
|                |            | FR002941264750   |

BW-036

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>13</b> | Daug.       | <b>89</b> | Rel.       | <b>90 %</b>  | <b>SPI</b> | <b>-2644</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 1007.        |
| <b>1563</b>                 |            |           |           | <b>-595</b> |           | <b>-22</b> | <b>-0,00</b> | <b>SCS</b> | <b>3,05</b>  |
|                             |            |           |           |             |           | <b>-19</b> | <b>-0,02</b> | rank       | 594.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>40</b> | 80,1 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>-0,10</b> |
|                  |             |       |               |       |           |      |      | rank        | 507.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | 0,48  |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | -1,14 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,70 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | 0,83  |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | -0,55 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | -0,55 |    |    |   |    |    |
| Central Ligament      | 1,04  |    |    |   |    |    |
| Udder Depth           | 2,14  |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | 0,73  |    |    |   |    |    |
| Locomotion            | -0,48 |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,7 | <b>Frame</b>           | <b>-0,18</b> |
| 80,5 | <b>Dairy Strength</b>  | <b>-0,27</b> |
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,75</b> |
| 77,5 | <b>Udder</b>           | <b>0,36</b>  |
|      | <b>SHI</b>             | <b>-83,9</b> |
|      | rank                   | 582.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>PRENZLAU-ET</b> | <b>DE000112407303</b>             | <b>29.08.1999</b> | <b>PEL-017</b> |
| Country of origin  | DE                                | <b>Breed</b>      | H100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 06.10.1999     |
|                    |                                   | DEU               | 99/12073       |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | RONNYBROOK PRELUDE-ET |
| PREVAL         |            | CA000000392457        |
| DE000108668889 | <b>PGD</b> | ORANGE                |
|                |            | DE000107831371        |
| <b>Dam</b>     | <b>MGS</b> | MOHR                  |
| URENA          |            | DE001020637636        |
| DE000108688259 | <b>MGD</b> | RINA                  |
|                |            | DE000107979702        |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>49</b> | Daug.      | <b>114</b> | Rel.      | <b>94 %</b> | <b>SPI</b> | <b>860</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 269.        |
| <b>2411</b>                 |            |           |           | <b>117</b> |            | <b>21</b> | <b>0,30</b> | <b>SCS</b> | <b>3,42</b> |
|                             |            |           |           |            |            |           |             | rank       | 1041.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 14</b> | Daug. | <b>34</b> | 77,4 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>-0,10</b> |
|                  |             |       |                |       |           |      |      | rank        | 508.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,48  |    |    |   |    |    |
| Angularity            | -0,35 |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | 1,29  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,06  |    |    |   |    |    |
| Fore Udder Attachment | -0,74 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | 1,14  |    |    |   |    |    |
| Rear Udder Height     | -0,25 |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    |    |
| Central Ligament      | -0,04 |    |    |   |    |    |
| Udder Depth           | -0,98 |    |    |   |    |    |
| Rump Width            | 0,99  |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | -0,87 |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,9 | <b>Frame</b>           | <b>0,88</b>  |
| 76,1 | <b>Dairy Strength</b>  | <b>-0,34</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,51</b> |
| 77,0 | <b>Udder</b>           | <b>-0,39</b> |
|      | <b>SHI</b>             | <b>21,7</b>  |
|      | rank                   | 287.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>HIMSTER ASTRONAUT</b> | <b>NL000180989454</b>             | <b>26.08.1998</b> | <b>POW-001</b> |
| Country of origin        | NL                                | <b>Breed</b>      | R100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 02.10.1998     |
|                          |                                   | NLD               | 180989454      |

### Pedigree

|                  |            |                         |                |
|------------------|------------|-------------------------|----------------|
| <b>Sire</b>      | <b>PGS</b> | SABBIONA PETISSO        |                |
| POWER            |            | IT001305031272          |                |
| NL000812395112   | <b>PGD</b> | STEEPEL ETAZON LOCKHART |                |
|                  |            | NL000461805710          |                |
| <b>Dam</b>       | <b>MGS</b> | FEIKJE S RABAMBA        | <b>BOY-001</b> |
| HIMSTER AGEETH 5 |            | NL000316952930          |                |
| NL000845885949   | <b>MGD</b> | H AGATHA 109            |                |
|                  |            | NL000705339863          |                |

|                             |            |           |           |           |            |            |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.     | <b>104</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-430</b> |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat        | %            | rank       | 517.        |
| <b>2175</b>                 |            |           |           | <b>26</b> |            | <b>-11</b> | <b>-0,24</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |           |            | <b>-3</b>  | <b>-0,08</b> | rank       | 652.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 5</b> | Daug. | <b>18</b> | 76,5 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>-0,11</b> |
|                  |             |       |              |       |           |      |      | rank        | 509.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,11 |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | -0,37 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 1,01  |    |    |   |    |    |
| Fore Udder Attachment | -0,15 |    |    |   |    |    |
| Front Teat Placement  | -0,30 |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | 0,45  |    |    |   |    |    |
| Central Ligament      | -1,20 |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,57  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Frame</b>           | <b>-0,89</b> |
| 76,3 | <b>Dairy Strength</b>  | <b>0,27</b>  |
| 79,6 | <b>Feet &amp; Legs</b> | <b>1,09</b>  |
| 74,8 | <b>Udder</b>           | <b>-0,52</b> |
|      | <b>SHI</b>             | <b>-17,4</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>KORVIN-ET</b>  | <b>DE000347865005</b>             | <b>27.04.2003</b> | <b>KOD-005</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 10.06.2003            |
|                   |                                   | DEU               | 03/38184              |

### Pedigree

|                |            |                     |
|----------------|------------|---------------------|
| <b>Sire</b>    | <b>PGS</b> | KOMMANDEUR LEADER 1 |
| KOMTUR-ET      |            | NL000775157228      |
| DE000577788802 | <b>PGD</b> | EDELGOLD            |
|                |            | DE000661039403      |
| <b>Dam</b>     | <b>MGS</b> | STOLL               |
| LERRY 14       |            | DE000108542252      |
| DE000347180448 | <b>MGD</b> | L.L.LIZ 359         |
|                |            | DE000112187113      |

|                             |            |           |    |       |    |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 34 | Daug. | 96 | Rel. | 92 % | <b>SPI</b> | -1930 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %     |
| <b>1979</b>                 |            |           |    | -658  |    | -1   | 0,51 | -15        | 0,12  |
|                             |            |           |    |       |    |      |      | <b>SCS</b> | 2,99  |
|                             |            |           |    |       |    |      |      | rank       | 863.  |
|                             |            |           |    |       |    |      |      | rank       | 523.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 21 | 77,3 | Rel. | 62 % | <b>TYPE</b> | -0,11 |
|                  |             |       |       |       |    |      |      | rank | 510.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,79 |    |    |   |    |    |
| Angularity            | 0,29  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | -0,45 |    |    |   |    |    |
| Rear Legs Side View   | 0,13  |    |    |   |    |    |
| Foot Angle            | -0,59 |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | -0,55 |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 0,47  |    |    |   |    |    |
| Rear Udder Width      | 0,52  |    |    |   |    |    |
| Central Ligament      | 0,00  |    |    |   |    |    |
| Udder Depth           | -0,89 |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,4 | <b>Frame</b>           | -1,36 |
| 77,7 | <b>Dairy Strength</b>  | 0,40  |
| 77,5 | <b>Feet &amp; Legs</b> | -0,54 |
| 77,1 | <b>Udder</b>           | 0,75  |
|      | <b>SHI</b>             | -62,8 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                        |                            |                   |                       |
|------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COMESTAR LOSCAR</b> | <b>CA000006684186</b>      | <b>02.01.1997</b> | <b>MEG-005</b>        |
| Country of origin      | CA                         | <b>Breed</b>      | H100                  |
| Distributor            | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                        |                            | Paternity         | 04.04.1997            |
|                        |                            | CAN               | 390737                |

### Pedigree

|                         |            |                           |         |
|-------------------------|------------|---------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| MEADOW BRIDGE MEGABUCK  |            | CA000000383622            | STB-011 |
| CA000005425054          | <b>PGD</b> | MEADOW BRIDGE MISCHIEF-ET |         |
|                         |            | CA000004466380            |         |
| <b>Dam</b>              | <b>MGS</b> | TO-MAR BLACKSTAR-ET       |         |
| COMESTAR LAURA BLACK-ET |            | US000001929410            | CHR-002 |
| CA000005319783          | <b>MGD</b> | COMESTAR LAURIE SHEIK-ET  |         |
|                         |            | CA000004425038            |         |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 47 | Daug.      | 457 | Rel.     | 98 %         | <b>SPI</b> | 372          |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | Prot.      | %            |
| <b>8784</b>                 |            |           |    | <b>105</b> |     | <b>4</b> | <b>-0,01</b> | <b>2</b>   | <b>-0,04</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | 3,22         |
|                             |            |           |    |            |     |          |              | rank       | 354.         |
|                             |            |           |    |            |     |          |              | rank       | 807.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 8 | Daug. | 64 | 77,9 | Rel. | 82 % | <b>TYPE</b> | -0,11 |
|                  |             |       |        |       |    |      |      |      | rank        | 511.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,43  |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,25 |    |    |   |    |    |
| Body Depth            | 0,11  |    |    |   |    |    |
| Rump Angle            | 0,87  |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,72 |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | -0,52 |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | -0,35 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,9 | <b>Frame</b>           | <b>0,32</b>  |
| 77,6 | <b>Dairy Strength</b>  | <b>0,09</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,34</b>  |
| 76,7 | <b>Udder</b>           | <b>-0,49</b> |
|      | <b>SHI</b>             | <b>6,7</b>   |
|      | rank                   | 347.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>CEDERWAL HARMONIZE</b> | <b>CA000006797081</b> | <b>29.03.1997</b> | <b>RUH-007</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 25.08.1997 |
|                   |                | CAN          | BT401006   |

### Pedigree

|                         |            |                               |         |
|-------------------------|------------|-------------------------------|---------|
| <b>Sire</b>             | <b>PGS</b> | MADAWASKA AEROSTAR            |         |
| STARTMORE RUDOLPH-ET    |            | CA000000383622                | STB-011 |
| CA000005470579          | <b>PGD</b> | STARTMORE RACHELLE-ET         |         |
| ARS-015                 |            | CA000004324253                |         |
| <b>Dam</b>              | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| CEDERWAL CHARITY MASCOT |            | US000002020049                | NBY-011 |
| CA000005694456          | <b>MGD</b> | CEDERWAL CHARITY MARK         |         |
|                         |            | CA000004444679                |         |

|                             |            |           |   |       |    |      |      |            |       |
|-----------------------------|------------|-----------|---|-------|----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 6 | Daug. | 48 | Rel. | 87 % | <b>SPI</b> | -1240 |
| Number controls             |            | <b>BV</b> |   | Milk  |    | Fat  | %    | Prot.      | %     |
| <b>949</b>                  |            |           |   | -342  |    | -8   | 0,09 | -9         | 0,04  |
|                             |            |           |   |       |    |      |      | <b>SCS</b> | 3,18  |
|                             |            |           |   |       |    |      |      | rank       | ...   |
|                             |            |           |   |       |    |      |      | rank       | ...   |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 2 | Daug. | 39 | 78,7 | Rel. | 76 % | <b>TYPE</b> | -0,12 |
|                  |             |       |        |       |    |      |      |      | rank        | 512.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,37  |    |    |   |    |    |
| Angularity            | -0,07 |    |    |   |    |    |
| Chest Width           | 0,35  |    |    |   |    |    |
| Body Depth            | 0,76  |    |    |   |    |    |
| Rump Angle            | -1,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,42  |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | 0,19  |    |    |   |    |    |
| Teat Length           | -0,91 |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | 0,30  |    |    |   |    |    |
| Central Ligament      | -1,18 |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | -0,01 |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | -0,32 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 82,3 | <b>Frame</b>           | 0,46  |
|                 | 79,6 | <b>Dairy Strength</b>  | 0,70  |
|                 | 78,1 | <b>Feet &amp; Legs</b> | -1,32 |
|                 | 76,7 | <b>Udder</b>           | -0,35 |
|                 |      | <b>SHI</b>             | -42,2 |
|                 |      | rank                   | 491.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>FAROMIR</b>   | <b>DE000113657937</b> | <b>15.03.2002</b> | <b>FBE-009</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.10.2002 |
|                   |                                   | DE           | 02/33938   |

### Pedigree

|                |            |                  |
|----------------|------------|------------------|
| <b>Sire</b>    | <b>PGS</b> | RENOWN FACTOR-ET |
| FABER RED-ET   |            | US000002129913   |
| DE000340174036 | <b>PGD</b> | LORELEY 12       |
|                |            | DE001021135253   |
| <b>Dam</b>     | <b>MGS</b> | KOERIER 104      |
| WANDA          |            | NL000461733916   |
| DE000110749874 | <b>MGD</b> | TINA             |
|                |            | DE000108133337   |

|                             |            |           |           |             |             |             |             |             |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.       | <b>1017</b> | Rel.        | <b>99 %</b> | <b>SPI</b>  | <b>-2896</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Prot.       |             | rank        | 1064.        |
| <b>18756</b>                |            |           |           | <b>-903</b> | <b>-13</b>  | <b>0,47</b> | <b>-20</b>  | <b>0,21</b> | <b>SCS</b>   |
|                             |            |           |           |             |             |             |             | rank        | 605.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 5</b> | Daug. | <b>131</b> | 78,4 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,12</b> |
|                  |             |       |               |       |            |      |      | rank        | 513.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | -0,21 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | -0,76 |    |    |   |    |    |
| Foot Angle            | -0,24 |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | 0,03  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 0,02  |    |    |   |    |    |
| Udder Depth           | 0,12  |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | 1,03  |    |    |   |    |    |
| Rear Teat Placement   | -1,33 |    |    |   |    |    |
| Locomotion            | -0,37 |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>-0,76</b> |
| 79,2 | <b>Dairy Strength</b>  | <b>-0,99</b> |
| 78,1 | <b>Feet &amp; Legs</b> | <b>-0,56</b> |
| 76,7 | <b>Udder</b>           | <b>0,91</b>  |
|      | <b>SHI</b>             | <b>-92,2</b> |
|      | rank                   | 595.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>SCHOONHOVEN S TOBIAS</b> | <b>NL000369934703</b> | <b>15.10.2003</b> | <b>AMO-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 12.01.2004 |
|                   |                                   | NLD          | 108383     |

### Pedigree

|                 |            |                       |
|-----------------|------------|-----------------------|
| <b>Sire</b>     | <b>PGS</b> | AMARETTO              |
| FRANKENHOF AMOR |            | DE001013340602        |
| NL000206188843  | <b>PGD</b> | FRANKENHOF GRAEFIN 30 |
|                 |            | NL000169786005        |
| <b>Dam</b>      | <b>MGS</b> | DELTA LAVA            |
| TINEKE 88       |            | NL000319957882        |
| NL000194727673  | <b>MGD</b> | NL000145927217        |

|                             |            |           |           |             |           |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>90</b> | Rel.       | <b>93 %</b> | <b>SPI</b> | <b>-1617</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |             | rank       | 792.         |
| <b>1880</b>                 |            |           |           | <b>-507</b> |           | <b>-13</b> | <b>0,13</b> | <b>SCS</b> | <b>3,87</b>  |
|                             |            |           |           |             |           | <b>-9</b>  | <b>0,16</b> | rank       | 1227.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 8</b> | Daug. | <b>23</b> | 78,7 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>-0,12</b> |
|                  |             |       |               |       |           |      |      | rank        | 514.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,06  |    |    |   |    |    |
| Angularity            | 0,10  |    |    |   |    |    |
| Chest Width           | -0,26 |    |    | ■ |    |    |
| Body Depth            | -0,12 |    |    | ■ |    |    |
| Rump Angle            | -0,25 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,15  |    |    | ■ |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    | ■ |    |    |
| Front Teat Placement  | -0,31 |    |    | ■ |    |    |
| Teat Length           | -0,64 |    | ■  |   |    |    |
| Rear Udder Height     | 0,50  |    |    |   | ■  |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | -0,28 |    |    | ■ |    |    |
| Udder Depth           | 0,76  |    |    |   | ■  |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,18  |    |    | ■ |    |    |
| Locomotion            | -0,33 |    |    | ■ |    |    |
| Body Condition        | -0,24 |    |    | ■ |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 81,4 | <b>Frame</b>           | <b>-0,13</b> |
|                 | 78,4 | <b>Dairy Strength</b>  | <b>0,15</b>  |
|                 | 78,9 | <b>Feet &amp; Legs</b> | <b>-1,00</b> |
|                 | 77,2 | <b>Udder</b>           | <b>0,15</b>  |
|                 |      | <b>SHI</b>             | <b>-53,7</b> |
|                 |      | rank                   | 515.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>GUIDED-PATH TOMAHAWK TV TL</b> | <b>US000121049625</b> | <b>03.09.1997</b> | <b>RUH-011</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 06.08.2002 |
|                   |                                   | USA          | DNA19936   |

### Pedigree

|                           |            |                              |         |
|---------------------------|------------|------------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR           |         |
| STARTMORE RUDOLPH-ET      |            | CA000000383622               | STB-011 |
| CA000005470579            | <b>PGD</b> | STARTMORE RACHELLE-ET        |         |
| ARS-015                   |            | CA000004324253               |         |
| <b>Dam</b>                | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |         |
| NICOLA-RTH MAS LUKE TAMMY |            | US000002071864               | CLE-005 |
| US000015788744            | <b>MGD</b> | NICOLA-F-FBROOK MILLIE-ET    |         |
|                           |            | US000015144776               |         |

|                             |            |           |           |            |             |              |             |              |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|--------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>83</b> | Daug.      | <b>1452</b> | Rel.         | <b>99 %</b> | <b>SPI</b>   | <b>-594</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat          | %           | Prot.        | %           |
| <b>30587</b>                |            |           |           | <b>280</b> | <b>-23</b>  | <b>-0,62</b> | <b>-5</b>   | <b>-0,30</b> | <b>SCS</b>  |
|                             |            |           |           |            |             |              |             |              | rank        |
|                             |            |           |           |            |             |              |             |              | 557.        |
|                             |            |           |           |            |             |              |             |              | rank        |
|                             |            |           |           |            |             |              |             |              | 63.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>72 / 20</b> | Daug. | <b>428</b> | 78,6 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-0,13</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 515.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,22  |    |    |   |    |    |
| Angularity            | 0,44  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -1,12 |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,98  |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | 0,40  |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | -0,97 |    |    |   |    |    |
| Udder Depth           | 1,87  |    |    |   |    |    |
| Rump Width            | 0,22  |    |    |   |    |    |
| Rear Legs Rear View   | -0,25 |    |    |   |    |    |
| Rear Teat Placement   | 0,15  |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 81,3 | <b>Frame</b>           | <b>0,04</b>  |
|                 | 79,0 | <b>Dairy Strength</b>  | <b>0,27</b>  |
|                 | 78,3 | <b>Feet &amp; Legs</b> | <b>-0,35</b> |
|                 | 77,1 | <b>Udder</b>           | <b>-0,24</b> |
|                 |      | <b>SHI</b>             | <b>-22,9</b> |
|                 |      | rank                   | 434.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                            |                   |                       |
|---------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HOWCREST ARISTIDES</b> | <b>US000002116464</b>      | <b>14.11.1989</b> | <b>CLE-020</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 04.10.1990 |
|                   |                                   | USA          | IG145028A  |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS |            | US000001682485          |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                   |            | US000010192628          |
| <b>Dam</b>                | <b>MGS</b> | WHITTIER-FARMS NED BOY  |
| HOWCREST NED BOY ALICE-ET |            | US000001806201          |
| US000013042502            | <b>MGD</b> | HOWCREST VALIANT ALISON |
|                           |            | US000011268234          |

|                             |            |           |    |            |           |             |          |            |             |
|-----------------------------|------------|-----------|----|------------|-----------|-------------|----------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 14 | Daug.      | 66        | Rel.        | 91 %     | <b>SPI</b> | 1266        |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %           | Prot.    | rank       | 196.        |
| <b>1391</b>                 |            |           |    | <b>361</b> | <b>23</b> | <b>0,15</b> | <b>2</b> | <b>SCS</b> | <b>3,46</b> |
|                             |            |           |    |            |           |             |          | rank       | 1085.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 19 | 77,4 | Rel. | 65 % | <b>TYPE</b> | -0,13 |
|                  |             |       |       |       |    |      |      | rank | 516.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,43  |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | 0,64  |    |    |   |    |    |
| Rump Angle            | 1,12  |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | -0,54 |    |    |   |    |    |
| Fore Udder Attachment | -0,87 |    |    |   |    |    |
| Front Teat Placement  | -1,28 |    |    |   |    |    |
| Teat Length           | -0,90 |    |    |   |    |    |
| Rear Udder Height     | 0,29  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | 0,56  |    |    |   |    |    |
| Rear Legs Rear View   | 0,12  |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 81,1 | <b>Frame</b> | <b>0,68</b> |
|------|--------------|-------------|

|      |                       |             |
|------|-----------------------|-------------|
| 76,9 | <b>Dairy Strength</b> | <b>1,83</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,7 | <b>Feet &amp; Legs</b> | <b>-0,16</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,6 | <b>Udder</b> | <b>-1,17</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>32,9</b> |
|--|------------|-------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>THOR</b>       | <b>NL000118816609</b> | <b>24.01.1994</b> | <b>PEL-003</b> |
| Country of origin | NL                    | <b>Breed</b>      | H100           |
| Distributor       | Holstein, Holandsko   | Herdbook          | HA             |
|                   |                       | Paternity         | ...            |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>  | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790       |
| RONNYBROOK PRELUDE-ET<br>CA000000392457<br>STB-016 | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO<br>US000009739109 |
| <b>Dam</b>   | <b>MGS</b> | EXRANCO THOR<br>US000001883228               |
| SIEMERS THOR TRINKET<br>US000013571531             | <b>MGD</b> | SIEMERS SEXATION TRICIA<br>US000011201503    |

|                             |            |           |    |             |            |             |            |             |            |
|-----------------------------|------------|-----------|----|-------------|------------|-------------|------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 57 | Daug.       | 163        | Rel.        | 95 %       | <b>SPI</b>  | -2204      |
| Number controls             |            | <b>BV</b> |    | Milk        | Fat        | %           | Prot.      | %           | rank       |
| <b>2951</b>                 |            |           |    | <b>-563</b> | <b>-14</b> | <b>0,15</b> | <b>-16</b> | <b>0,03</b> | <b>SCS</b> |
|                             |            |           |    |             |            |             |            |             | rank       |
|                             |            |           |    |             |            |             |            |             | 278.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 11 | 77,0 | Rel. | 59 % | <b>TYPE</b> | -0,14 |
|                  |             |       |       |       |    |      |      |      | rank        | 517.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,37  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | 0,49  |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | -0,38 |    |    |   |    |    |
| Fore Udder Attachment | -0,61 |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | -0,93 |    |    |   |    |    |
| Rear Udder Height     | -0,76 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 0,02  |    |    |   |    |    |
| Rump Width            | 0,78  |    |    |   |    |    |
| Rear Legs Rear View   | -0,16 |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>0,66</b>  |
| 74,2 | <b>Dairy Strength</b>  | <b>0,36</b>  |
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,15</b>  |
| 75,6 | <b>Udder</b>           | <b>-0,83</b> |
|      | <b>SHI</b>             | <b>-71,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>JAWOOD MADISON-ET</b> | <b>US000002158023</b>      | <b>10.12.1990</b> | <b>BS-030</b>         |
| Country of origin        | US                         | <b>Breed</b>      | H100                  |
| Distributor              | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                          |                            | Paternity         | 03.06.1991            |
|                          |                            | USA               | IG155853A             |

### Pedigree

|                             |            |                          |
|-----------------------------|------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET         |            | US000001723741           |
| US000001929410              | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                     |            | US000009804790           |
| <b>Dam</b>                  | <b>MGS</b> | S-W-D VALIANT            |
| SPECTACULAR VALIANT MARY-ET |            | US000001650414           |
| US0000012638847             | <b>MGD</b> | SPECTACULAR MAID         |
|                             |            | US0000011731514          |

|                             |            |           |    |             |            |              |            |              |            |
|-----------------------------|------------|-----------|----|-------------|------------|--------------|------------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 31 | Daug.       | 487        | Rel.         | 98 %       | <b>SPI</b>   | -2048      |
| Number controls             |            | <b>BV</b> |    | Milk        |            | Fat          | %          | Prot.        | %          |
| <b>9434</b>                 |            |           |    | <b>-408</b> | <b>-19</b> | <b>-0,09</b> | <b>-15</b> | <b>-0,06</b> | <b>SCS</b> |
|                             |            |           |    |             |            |              |            |              | rank       |
|                             |            |           |    |             |            |              |            |              | 887.       |
|                             |            |           |    |             |            |              |            |              | rank       |
|                             |            |           |    |             |            |              |            |              | 831.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 14 | 77,7 | Rel. | 68 % | <b>TYPE</b> | -0,14 |
|                  |             |       |       |       |    |      |      |      | rank        | 518.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,11 |    |    |   |    |    |
| Angularity            | 0,80  |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | 0,67  |    |    |   |    |    |
| Rump Angle            | -0,62 |    |    |   |    |    |
| Rear Legs Side View   | 0,31  |    |    |   |    |    |
| Foot Angle            | -0,69 |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | 0,25  |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | 0,03  |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,74 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | 0,00  |    |    |   |    |    |
| Locomotion            | -0,43 |    |    |   |    |    |
| Body Condition        | -0,49 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,6 | <b>Frame</b>           | -1,61 |
| 74,6 | <b>Dairy Strength</b>  | 1,86  |
| 77,6 | <b>Feet &amp; Legs</b> | -1,78 |
| 78,1 | <b>Udder</b>           | 1,14  |
|      | <b>SHI</b>             | -67,3 |
|      | rank                   | 543.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>FAB</b>       | <b>CZ000148050694</b> | <b>12.03.2001</b> | <b>ELN-017</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CZ                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 22.01.2002 |
|                   |                                   | CZ           | 6402       |

### Pedigree

|                     |            |                           |
|---------------------|------------|---------------------------|
| <b>Sire</b>         | <b>PGS</b> | EMPRISE BELL ELTON        |
| WA-DEL CONVINCER-ET |            | US000001912270            |
| US000002249055      | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET   |
| ELN-002             |            | US000013372706            |
| <b>Dam</b>          | <b>MGS</b> | LADYS-MANOR WINCHESTER-ET |
|                     |            | US000002205082            |
| CZ000102300614      | <b>MGD</b> | LANGS-TWIN-B E-B SABRA-ET |
|                     |            | US000017189294            |

|                             |            |           |           |            |             |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>67</b> | Daug.      | <b>1586</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>815</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      | %            | rank       | 277.        |
| <b>29536</b>                |            |           |           | <b>180</b> |             | <b>1</b> | <b>-0,11</b> | <b>8</b>   | <b>0,05</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>3,18</b> |
|                             |            |           |           |            |             |          |              | rank       | 768.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>39 / 14</b> | Daug. | <b>105</b> | 78,5 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>-0,14</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 519.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | -0,56 |    |    |   |    |    |
| Rump Angle            | -0,15 |    |    |   |    |    |
| Rear Legs Side View   | 0,18  |    |    |   |    |    |
| Foot Angle            | 0,51  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | 0,54  |    |    |   |    |    |
| Teat Length           | -1,10 |    |    |   |    |    |
| Rear Udder Height     | -0,52 |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | -0,26 |    |    |   |    |    |
| Udder Depth           | 0,33  |    |    |   |    |    |
| Rump Width            | -0,43 |    |    |   |    |    |
| Rear Legs Rear View   | -0,45 |    |    |   |    |    |
| Rear Teat Placement   | 1,24  |    |    |   |    |    |
| Locomotion            | 0,51  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,2 | <b>Frame</b> | <b>-0,33</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,9 | <b>Dairy Strength</b> | <b>-0,54</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 79,3 | <b>Feet &amp; Legs</b> | <b>1,76</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,6 | <b>Udder</b> | <b>-0,66</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>19,0</b> |
|--|------------|-------------|

rank 298.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TAHITI-ET</b>  | <b>DE000349430127</b>             | <b>10.12.2004</b> | <b>SOM-015</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 06.01.2005     |
|                   |                                   | DE                | 05/30402       |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | MAUGHLIN STORM-ET       |
| LADINO PARK TALENT-IMP-ET |            | CA000005457798          |
| AU000000930377            | <b>PGD</b> | MARKWELL LEADER ROSE-ET |
|                           |            | US000015804313          |
| <b>Dam</b>                | <b>MGS</b> | RUBENS                  |
| TRIXI 414                 |            | DE000577182316          |
| DE000347906736            | <b>MGD</b> | TRUXI                   |
|                           |            | DE000344741369          |

|                             |            |           |    |       |    |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 88 | Rel. | 92 % | <b>SPI</b> | -126 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %    |
| <b>1480</b>                 |            |           |    | -130  |    | -2   | 0,04 | 2          | 0,13 |
|                             |            |           |    |       |    |      |      | <b>SCS</b> | 2,95 |
|                             |            |           |    |       |    |      |      | rank       | 454. |
|                             |            |           |    |       |    |      |      | rank       | 463. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 7 | Daug. | 31 | 77,3 | Rel. | 72 % | <b>TYPE</b> | -0,15 |
|                  |             |       |       |       |    |      |      | rank | 520.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,39  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,78 |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | 0,77  |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | -0,01 |    |    |   |    |    |
| Fore Udder Attachment | 0,13  |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | 1,00  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | 0,09  |    |    |   |    |    |
| Udder Depth           | 0,66  |    |    |   |    |    |
| Rump Width            | -0,73 |    |    |   |    |    |
| Rear Legs Rear View   | -0,60 |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,80 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,5 | <b>Frame</b>           | -0,02 |
| 78,2 | <b>Dairy Strength</b>  | -0,14 |
| 76,9 | <b>Feet &amp; Legs</b> | -0,68 |
| 74,8 | <b>Udder</b>           | 0,25  |
|      | <b>SHI</b>             | -9,6  |
|      | rank                   | 391.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                       |                       |                   |                |
|---------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                      | Registration number   | Birth date        | State Register |
| <b>LOGANWAY NED BOY BELLE BANG-ET</b> | <b>US000002009256</b> | <b>29.06.1986</b> | <b>NBY-007</b> |
| Country of origin                     | US                    | <b>Breed</b>      | H100           |
| Distributor                           |                       | Herdbook          | HA             |
|                                       |                       | Paternity         | 29.06.1990     |
|                                       |                       | USA               | IG 88897B      |

### Pedigree

|                             |            |                                |
|-----------------------------|------------|--------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CA-LILL STANDOUT CAVALIER      |
| WHITTIER-FARMS NED BOY      |            | US000001620273                 |
| US000001806201              | <b>PGD</b> | MILK-A-LONG SKOKIE DAWN        |
|                             |            | US000009094087                 |
| <b>Dam</b>                  | <b>MGS</b> | GLENDELL ARLINDA CHIEF         |
| LOGANWAY GLENDELL BELLE BON |            | US000001556373                 |
| US0000010823039             | <b>MGD</b> | LOGANWAY CONDUCTOR,BELLE BENNY |
|                             |            | US000009653317                 |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>56</b> | Daug.       | <b>549</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2252</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %           | Prot.      | %            |
| <b>11833</b>                |            |           |           | <b>-551</b> |            | <b>-14</b> | <b>0,14</b> | <b>-17</b> | <b>-0,01</b> |
|                             |            |           |           |             |            |            |             | <b>SCS</b> | <b>3,35</b>  |
|                             |            |           |           |             |            |            |             | rank       | 921.         |
|                             |            |           |           |             |            |            |             | rank       | 981.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 6</b> | Daug. | <b>15</b> | 76,4 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>-0,15</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 521.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | -0,33 |    |    |   |    |    |
| Chest Width           | 0,53  |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,58 |    |    |   |    |    |
| Front Teat Placement  | 0,08  |    |    |   |    |    |
| Teat Length           | 0,20  |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | -0,23 |    |    |   |    |    |
| Udder Depth           | -0,14 |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,71  |    |    |   |    |    |
| Rear Teat Placement   | -0,09 |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

daught. average

77,9 **Frame** **0,53**

73,5 **Dairy Strength** **0,05**

78,1 **Feet & Legs** **-0,15**

76,6 **Udder** **-0,64**

**SHI** **-73,9**

rank 563.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                            |                   |                       |
|---------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>NORZ-HILL FORM WIZARD-ET</b> | <b>US000120754720</b>      | <b>09.07.1997</b> | <b>FOM-011</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 24.07.2002 |
|                   |                                   | USA          | 18234      |

### Pedigree

|                             |                |                               |
|-----------------------------|----------------|-------------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN    |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                       |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY             |
| LAD-009                     | US000013008118 |                               |
| <b>Dam</b>                  | <b>MGS</b>     | SINGING-BROOK BENCHMARK-ET    |
| NORZ-HILL BENCH WINNY-ET    | US000002078290 | MEW-001                       |
| US000015299641              | <b>MGD</b>     | NORZ-HILL CLEITUS WINKEN-TWIN |
|                             | US000013682236 |                               |

|                             |            |           |   |       |    |       |      |            |            |
|-----------------------------|------------|-----------|---|-------|----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 4 | Daug. | 26 | Rel.  | 83 % | <b>SPI</b> | 769        |
| Number controls             |            | <b>BV</b> |   | Milk  |    | Fat   | %    | Prot.      | %          |
| 526                         |            |           |   | 294   | 5  | -0,13 | 4    | -0,12      | <b>SCS</b> |
|                             |            |           |   |       |    |       |      |            | rank       |
|                             |            |           |   |       |    |       |      |            | ...        |
|                             |            |           |   |       |    |       |      |            | rank       |
|                             |            |           |   |       |    |       |      |            | ...        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 2 | Daug. | 21 | 78,0 | Rel. | 66 % | <b>TYPE</b> | -0,15 |
|                  |             |       |       |       |    |      |      |      | rank        | 522.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,06 |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | 0,59  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | 0,51  |    |    |   |    |    |
| Front Teat Placement  | 0,70  |    |    |   |    |    |
| Teat Length           | 0,04  |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | 0,26  |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | -0,91 |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 79,7 | <b>Frame</b>           | -0,19 |
|                 | 78,7 | <b>Dairy Strength</b>  | -0,41 |
|                 | 75,9 | <b>Feet &amp; Legs</b> | -0,99 |
|                 | 77,7 | <b>Udder</b>           | 0,64  |
|                 |      | <b>SHI</b>             | 17,2  |
|                 |      | rank                   | 305.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>BOSSIDE RONALD-ET</b> | <b>CA000006780909</b> | <b>20.01.1997</b> | <b>BW-021</b>  |
| Country of origin        | CA                    | <b>Breed</b>      | H100           |
| Distributor              | INSEMAS s.r.o.        | Herdbook          | HA             |
|                          |                       | Paternity         | 17.07.1997     |
|                          |                       | CAN               | BT399129       |

### Pedigree

|                            |            |                          |         |
|----------------------------|------------|--------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET       |         |
| MAIZEFIELD BELLWOOD-ET     |            | US000001879149           |         |
| US000002103297             | <b>PGD</b> | BREN-WAY BELL BETSY      |         |
| MEW-004                    |            | US000012052401           |         |
| <b>Dam</b>                 | <b>MGS</b> | TESK-HOLM VALIANT ROCKIE |         |
| LENZWAY TESK RUBYT RITA-ET |            | US000001841366           | VAL-016 |
| US000014734125             | <b>MGD</b> | ROBTHOM RUBY-ET          |         |
|                            |            | US000013802763           |         |

|                             |            |           |           |            |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>64</b> | Daug.      | <b>1181</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>1069</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %           | rank       | 230.        |
| <b>23714</b>                |            |           |           | <b>130</b> |             | <b>19</b> | <b>0,24</b> | <b>SCS</b> | <b>2,72</b> |
|                             |            |           |           |            |             | <b>6</b>  | <b>0,04</b> | rank       | 197.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>31 / 10</b> | Daug. | <b>249</b> | 78,8 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,16</b> |
|                  |             |       |                |       |            |      |      | rank        | 523.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | -0,39 |    |    |   |    |    |
| Chest Width           | -0,26 |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | 1,10  |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | 0,30  |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,70  |    |    |   |    |    |
| Rear Udder Height     | 0,62  |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,03 |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | 0,16  |    |    |   |    |    |
| Rear Teat Placement   | -1,10 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,8 | <b>Frame</b>           | <b>-0,54</b> |
| 78,7 | <b>Dairy Strength</b>  | <b>-0,99</b> |
| 78,8 | <b>Feet &amp; Legs</b> | <b>0,27</b>  |
| 77,4 | <b>Udder</b>           | <b>0,52</b>  |
|      | <b>SHI</b>             | <b>25,9</b>  |
|      | rank                   | 261.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>KEMPENRIJK KOMPAAN</b> | <b>NL00038760517</b>              | <b>15.08.2004</b> | <b>LUS-007</b> |
| Country of origin         | NL                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 09.11.2005     |
|                           |                                   | NL                | 133264         |

### Pedigree

|                      |            |                      |
|----------------------|------------|----------------------|
| <b>Sire</b>          | <b>PGS</b> | LUKAS                |
| LANCELOT-ET          |            | DE001012104370       |
| DE000578194407       | <b>PGD</b> | DINA                 |
| LUS-011              |            | DE001015276447       |
| <b>Dam</b>           | <b>MGS</b> | NEWHOUSE RONALD      |
| KEMPENRIJK FRIEDA 31 |            | NL000777430664       |
| NL000249500547       | <b>MGD</b> | KEMPENRIJK FRIEDA 19 |
|                      |            | NL000191098552       |

|                             |            |           |    |           |          |             |          |             |             |
|-----------------------------|------------|-----------|----|-----------|----------|-------------|----------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug.     | 86       | Rel.        | 93 %     | <b>SPI</b>  | 731         |
| Number controls             |            | <b>BV</b> |    | Milk      |          | Fat         | %        | Prot.       | %           |
| <b>1903</b>                 |            |           |    | <b>20</b> | <b>5</b> | <b>0,06</b> | <b>9</b> | <b>0,18</b> | <b>SCS</b>  |
|                             |            |           |    |           |          |             |          |             | rank        |
|                             |            |           |    |           |          |             |          |             | 293.        |
|                             |            |           |    |           |          |             |          |             | <b>rank</b> |
|                             |            |           |    |           |          |             |          |             | <b>108.</b> |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 8 | Daug. | 27 | 78,3 | Rel. | 71 % | <b>TYPE</b> | -0,16 |
|                  |             |       |        |       |    |      |      |      | rank        | 524.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | -0,18 |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | -0,46 |    |    |   |    |    |
| Foot Angle            | 0,70  |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | -0,35 |    |    |   |    |    |
| Teat Length           | 0,71  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,75 |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | 0,56  |    |    |   |    |    |
| Rump Width            | -1,11 |    |    |   |    |    |
| Rear Legs Rear View   | 0,97  |    |    |   |    |    |
| Rear Teat Placement   | 0,33  |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,6 | <b>Frame</b>           | <b>-1,19</b> |
| 78,0 | <b>Dairy Strength</b>  | <b>-1,02</b> |
| 79,6 | <b>Feet &amp; Legs</b> | <b>1,68</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,42</b> |
|      | <b>SHI</b>             | <b>15,6</b>  |
|      | rank                   | 309.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                                   |                   |                |
|--------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number               | Birth date        | State Register |
| <b>SFL BOOTPEG BEST BET-ET</b> | <b>US000002128679</b>             | <b>18.04.1990</b> | <b>BS-019</b>  |
| Country of origin              | US                                | <b>Breed</b>      | H100           |
| Distributor                    | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                |                                   | Paternity         | 01.11.1990     |
|                                |                                   | USA               | IG146166A      |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | WALKWAY CHIEF MARK       |
| PRICES BOOTPEG BESS |            | US000001773417           |
| US000012787738      | <b>MGD</b> | PRICES VALIANTS BESS-ET  |
|                     |            | US000011810625           |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>116</b> | Daug.       | <b>1328</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1531</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 771.         |
| <b>28076</b>                |            |           |            | <b>-319</b> |             | <b>-7</b>  | <b>0,10</b>  | <b>SCS</b> | <b>3,00</b>  |
|                             |            |           |            |             |             | <b>-14</b> | <b>-0,10</b> | rank       | 547.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>42 / 25</b> | Daug. | <b>244</b> | 77,0 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,16</b> |
|                  |             |       |                |       |            |      |      | rank        | 525.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,71  |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | 0,26  |    |    |   |    |    |
| Body Depth            | 0,46  |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | 0,87  |    |    |   |    |    |
| Foot Angle            | -0,64 |    |    |   |    |    |
| Fore Udder Attachment | -0,42 |    |    |   |    |    |
| Front Teat Placement  | -0,54 |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | -0,37 |    |    |   |    |    |
| Rear Udder Width      | -0,12 |    |    |   |    |    |
| Central Ligament      | 0,55  |    |    |   |    |    |
| Udder Depth           | 0,38  |    |    |   |    |    |
| Rump Width            | 0,47  |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | -0,28 |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Frame</b>           | <b>1,10</b>  |
| 75,0 | <b>Dairy Strength</b>  | <b>0,78</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-2,42</b> |
| 76,5 | <b>Udder</b>           | <b>-0,37</b> |
|      | <b>SHI</b>             | <b>-52,7</b> |
|      | rank                   | 513.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BEATMAS</b>    | <b>CZ000103579588</b>      | <b>28.12.1997</b> | <b>MSN-001</b>        |
| Country of origin | CZ                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 22.06.1998            |
|                   |                            | CSK               | 4651/26               |

### Pedigree

|                     |            |                           |
|---------------------|------------|---------------------------|
| <b>Sire</b>         | <b>PGS</b> | A TOWNSON LINDY-ET        |
| SHOREMAR MASON-ET   |            | CA000000382748            |
| CA000005279989      | <b>PGD</b> | MEADOW BRIDGE MEGAN-ET    |
| LID-001             |            | CA000004244417            |
| <b>Dam</b>          | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE |
| CHEL-BROOK LEIGH-ET |            | US000001964484            |
| US000014507430      | <b>MGD</b> | DIXIE-LEE MARK LIZA,ET    |
|                     |            | US000012628564            |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug. | 68  | Rel.  | 90 %  | <b>SPI</b> | -867       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1323                        |            |           |    | -84   | -4  | -0,03 | -1    | -0,17      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 618.       |
|                             |            |           |    |       |     |       |       |            | 1154.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 6 | Daug. | 17 | 75,8 | Rel. | 62 % | <b>TYPE</b> | -0,17 |
|                  |             |       |       |       |    |      |      |      | rank        | 526.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,59  |    |    |   |    |    |
| Angularity            | 0,03  |    |    |   |    |    |
| Chest Width           | -0,67 |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | 0,15  |    |    |   |    |    |
| Rear Legs Side View   | 0,86  |    |    |   |    |    |
| Foot Angle            | -0,63 |    |    |   |    |    |
| Fore Udder Attachment | -0,85 |    |    |   |    |    |
| Front Teat Placement  | -0,71 |    |    |   |    |    |
| Teat Length           | -0,10 |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | -0,48 |    |    |   |    |    |
| Rump Width            | 1,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,57 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

daught. average

79,0 **Frame** 0,72

72,6 **Dairy Strength** 0,32

74,9 **Feet & Legs** -1,72

76,3 **Udder** 0,14

**SHI** -32,8

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MANIAC PS</b>  | <b>NL000422179520</b>             | <b>28.08.2005</b> | <b>MED-011</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 23.01.2007     |
|                   |                                   | NL                | 151899         |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | HA-HO CUBBY MANFRED-ET<br>US000002183007      |
| O-BEE MANFRED JUSTICE-ET<br>US000122358313<br>MED-012 | <b>PGD</b> | MEIER-MEADOWS EL JEZEBEL-ET<br>US000015459080 |
| <b>Dam</b>  | <b>MGS</b> | RICECREST EMERSON-ET<br>US000002271271        |
| PONSSTAR SAMANTHA<br>NL000327877860                   | <b>MGD</b> | PONSSTAR SABRINA<br>NL000211776475            |

|                             |            |            |           |             |           |             |             |             |             |       |
|-----------------------------|------------|------------|-----------|-------------|-----------|-------------|-------------|-------------|-------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds      | <b>23</b> | Daug.       | <b>87</b> | Rel.        | <b>93 %</b> | <b>SPI</b>  | <b>2416</b> |       |
| Number controls             | <b>BV</b>  | Milk       | Fat       | %           | Prot.     | %           | rank        | 69.         |             |       |
| <b>1878</b>                 |            | <b>319</b> | <b>23</b> | <b>0,18</b> | <b>21</b> | <b>0,23</b> | <b>SCS</b>  | <b>3,38</b> | rank        | 1014. |

|                  |             |       |                |       |           |      |      |             |             |              |      |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 11</b> | Daug. | <b>44</b> | 78,2 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>-0,18</b> |      |
|                  |             |       |                |       |           |      |      |             |             | rank         | 527. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,05 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | 0,38  |    |    |   |    |    |
| Foot Angle            | 0,19  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | 0,80  |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | -0,58 |    |    |   |    |    |
| Central Ligament      | 0,03  |    |    |   |    |    |
| Udder Depth           | 0,21  |    |    |   |    |    |
| Rump Width            | -0,69 |    |    |   |    |    |
| Rear Legs Rear View   | -2,16 |    |    |   |    |    |
| Rear Teat Placement   | -0,11 |    |    |   |    |    |
| Locomotion            | -0,33 |    |    |   |    |    |
| Body Condition        | -0,22 |    |    |   |    |    |

daught. average

|      |                        |              |      |
|------|------------------------|--------------|------|
| 81,6 | <b>Frame</b>           | <b>0,01</b>  |      |
| 80,3 | <b>Dairy Strength</b>  | <b>1,26</b>  |      |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-1,04</b> |      |
| 76,5 | <b>Udder</b>           | <b>-0,28</b> |      |
|      | <b>SHI</b>             | <b>65,6</b>  |      |
|      |                        | rank         | 160. |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>LANGS-TWIN-ELM DANDY</b> | <b>US000002137251</b>             | <b>28.03.1990</b> | <b>LAB-001</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 21.08.1990     |
|                             |                                   | USA               | IG143284C      |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | MARSHFIELD ELEVATION TONY |
| CYPRESS-HILL LABAN-ET   |            | US000001626813            |
| US000001926224          | <b>PGD</b> | VAN-VLIET DELIGHTFUL LONI |
|                         |            | US000011140524            |
| <b>Dam</b>              | <b>MGS</b> | WALKWAY CHIEF MARK        |
| LANGS-TWIN-ELM MITZI-ET |            | US000001773417            |
| US000013391636          | <b>MGD</b> | FAY-ARK-M BOVA MOLLY-ET   |
|                         |            | US000012638893            |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 39 | Daug. | 337 | Rel.  | 98 % | <b>SPI</b> | 460  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %    |
| 7117                        |            |           |    | 223   | -4  | -0,24 | 4    | -0,07      |      |
|                             |            |           |    |       |     |       |      | <b>SCS</b> | 2,91 |
|                             |            |           |    |       |     |       |      | rank       | 415. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 37 / 13 | Daug. | 155 | 77,0 | Rel. | 92 % | <b>TYPE</b> | -0,19 |
|                  |             |       |         |       |     |      |      |      | rank        | 528.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,03 |    |    |   |    |    |
| Angularity            | -0,59 |    |    |   |    |    |
| Chest Width           | 0,52  |    |    |   |    |    |
| Body Depth            | 0,18  |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | -0,68 |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | -0,36 |    |    |   |    |    |
| Teat Length           | 1,01  |    |    |   |    |    |
| Rear Udder Height     | 0,26  |    |    |   |    |    |
| Rear Udder Width      | -0,52 |    |    |   |    |    |
| Central Ligament      | -0,19 |    |    |   |    |    |
| Udder Depth           | 0,84  |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | -0,08 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,30  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,5 | <b>Frame</b>           | 0,33  |
| 74,3 | <b>Dairy Strength</b>  | -0,87 |
| 78,1 | <b>Feet &amp; Legs</b> | 0,42  |
| 76,5 | <b>Udder</b>           | -0,31 |
|      | <b>SHI</b>             | 6,4   |
|      | rank                   | 349.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                      |                   |                |
|----------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number  | Birth date        | State Register |
| <b>MEDZICILIZIE MATT KURT-ET</b> | <b>SK00000014853</b> | <b>20.04.1997</b> | <b>MTT-001</b> |
| Country of origin                | SK                   | <b>Breed</b>      | H100           |
| Distributor                      | MEDZICILIZIE, a. s.  | Herdbook          | HA             |
|                                  |                      | Paternity         |                |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | TO-MAR BLACKSTAR-ET         |
| WA-DEL RC MATT-ET           |            | US000001929410              |
| US000002118528              | <b>PGD</b> | VALHALLA MARK MITZY-ET      |
|                             |            | US000012677418              |
| <b>Dam</b>                  | <b>MGS</b> | CURTMAID EMERALD TARGET     |
| DE-KA-ACRES TARGT SECRET-ET |            | US000002030882              |
| US000015041998              | <b>MGD</b> | DE-KA-ACRES BLAKSTR STAR-ET |
|                             |            | US000013846331              |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>99</b> | Daug.       | <b>719</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1478</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 755.         |
| <b>13731</b>                |            |           |           | <b>-109</b> |            | <b>-23</b> | <b>-0,37</b> | <b>SCS</b> | <b>3,20</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>-0,18</b> | rank       | 793.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 14</b> | Daug. | <b>56</b> | 78,1 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>-0,19</b> |
|                  |             |       |                |       |           |      |      | rank        | 529.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,40  |    |    |   |    |    |
| Angularity            | 0,75  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | -0,01 |    |    |   |    |    |
| Rump Angle            | -0,11 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | -0,23 |    |    |   |    |    |
| Fore Udder Attachment | -0,71 |    |    |   |    |    |
| Front Teat Placement  | -1,46 |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | -0,63 |    |    |   |    |    |
| Rump Width            | -0,57 |    |    |   |    |    |
| Rear Legs Rear View   | -0,75 |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | -0,57 |    |    |   |    |    |
| Body Condition        | -0,90 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>0,32</b>  |
| 78,6 | <b>Dairy Strength</b>  | <b>1,47</b>  |
| 77,8 | <b>Feet &amp; Legs</b> | <b>-1,72</b> |
| 76,6 | <b>Udder</b>           | <b>-0,53</b> |
|      | <b>SHI</b>             | <b>-52,1</b> |
|      | rank                   | 510.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOLIANT</b>    | <b>DE001021138096</b>      | <b>28.05.1992</b> | <b>BIR-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | R100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 19.10.1992            |
|                   |                            | DEU               | 92/11775              |

### Pedigree

|                |            |                          |         |
|----------------|------------|--------------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | TO-MAR BLACKSTAR-ET      |         |
| BIRKO-ET       |            | US000001929410           | CHR-002 |
| DE001020927002 | <b>PGD</b> | BEATE                    |         |
|                |            | DE001020276043           |         |
| <b>Dam</b>     | <b>MGS</b> | HANOVER-HILL INSPIRATION |         |
| HAUSMAE 52     |            | CA000000363162           | IS-003  |
| DE001020777121 | <b>MGD</b> | HAUSFEE 65               |         |
|                |            | DE001020476737           |         |

|                             |            |           |     |       |      |      |      |            |       |
|-----------------------------|------------|-----------|-----|-------|------|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 252 | Daug. | 5124 | Rel. | 99 % | <b>SPI</b> | -2487 |
| Number controls             |            | <b>BV</b> |     | Milk  |      | Fat  | %    | Prot.      | %     |
| <b>104271</b>               |            |           |     | -541  |      | -18  | 0,05 | -19        | -0,07 |
|                             |            |           |     |       |      |      |      | <b>SCS</b> | 3,65  |
|                             |            |           |     |       |      |      |      | rank       | 1179. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 31 / 12 | Daug. | 167 | 77,9 | Rel. | 94 % | <b>TYPE</b> | -0,19 |
|                  |             |       |         |       |     |      |      |      | rank        | 530.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,31 |    |    |   |    |    |
| Angularity            | 0,29  |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | 0,87  |    |    |   |    |    |
| Rump Angle            | -1,65 |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | 0,39  |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | -1,57 |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | -0,43 |    |    |   |    |    |
| Central Ligament      | -0,24 |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | 0,53  |    |    |   |    |    |
| Rear Legs Rear View   | -0,40 |    |    |   |    |    |
| Rear Teat Placement   | 0,27  |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,48 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,9 | <b>Frame</b>           | -0,21 |
| 78,3 | <b>Dairy Strength</b>  | 1,29  |
| 78,4 | <b>Feet &amp; Legs</b> | 0,02  |
| 76,0 | <b>Udder</b>           | -0,89 |
|      | <b>SHI</b>             | -82,7 |
|      | rank                   | 576.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>L-L-M-DAIRY PADLOCK CRI-ET</b> | <b>US000062769059</b>             | <b>15.08.2006</b> | <b>MNA-019</b> |
| Country of origin                 | US                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 05.03.2007     |
|                                   |                                   | US                | M07024262      |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ETAZON ADDISON-ET           |
| VEAZLAND MARION-ET          |            | NL000839380546              |
| US000130153294              | <b>PGD</b> | VEAZLAND FORMATION MISSA-ET |
|                             |            | US000017346766              |
| <b>Dam</b>                  | <b>MGS</b> | STARTMORE RUDOLPH-ET        |
| L-L-M-DAIRY RUDOLPH PILGRIM |            | CA000005470579              |
| US000018051079              | <b>MGD</b> | L-L-M-DAIRY PRELUDE PREP-ET |
|                             |            | US000015243932              |

|                             |            |           |    |            |     |           |              |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.      | 474 | Rel.      | 97 %         | <b>SPI</b> | 2257        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %           |
| <b>6407</b>                 |            |           |    | <b>445</b> |     | <b>11</b> | <b>-0,11</b> | <b>21</b>  | <b>0,13</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 2,40        |
|                             |            |           |    |            |     |           |              | rank       | 75.         |
|                             |            |           |    |            |     |           |              | rank       | 42.         |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 46 / 12 | Daug. | 232 | 80,9 | Rel. | 93 % | <b>TYPE</b> | -0,19 |
|                  |             |       |         |       |     |      |      |      | rank        | 531.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    | ■ |    |    |
| Angularity            | -0,34 |    |    | ■ |    |    |
| Chest Width           | -0,04 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    | ■ |    |    |
| Rump Angle            | 0,49  |    |    |   | ■  |    |
| Rear Legs Side View   | -0,27 |    |    | ■ |    |    |
| Foot Angle            | -0,16 |    |    | ■ |    |    |
| Fore Udder Attachment | 0,68  |    |    |   | ■  |    |
| Front Teat Placement  | 0,12  |    |    |   | ■  |    |
| Teat Length           | 0,63  |    |    |   | ■  |    |
| Rear Udder Height     | 0,59  |    |    |   | ■  |    |
| Rear Udder Width      | -0,13 |    |    | ■ |    |    |
| Central Ligament      | -0,22 |    |    | ■ |    |    |
| Udder Depth           | 0,63  |    |    |   | ■  |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | -0,34 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   | ■  |    |
| Body Condition        | 0,29  |    |    |   | ■  |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,7 | <b>Frame</b>           | <b>-0,48</b> |
| 80,5 | <b>Dairy Strength</b>  | <b>-1,55</b> |
| 82,6 | <b>Feet &amp; Legs</b> | <b>0,26</b>  |
| 78,8 | <b>Udder</b>           | <b>0,41</b>  |
|      | <b>SHI</b>             | <b>60,3</b>  |
|      | rank                   | 177.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>KOMIKER-ET</b> | <b>DE000113878472</b>             | <b>26.03.2003</b> | <b>KOD-006</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.05.2003     |
|                   |                                   | DEU               | 03/37866       |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | KOMMANDEUR LEADER 1  |
| KONVOY-ET      |            | NL000775157228       |
| DE000577788826 | <b>PGD</b> | ASTRA                |
|                |            | DE001012209974       |
| <b>Dam</b>     | <b>MGS</b> | STARTMORE RUDOLPH-ET |
| ZUCHTTA 106    |            | CA000005470579       |
| DE000111900553 | <b>MGD</b> | NORDWIND 22          |
|                |            | DE000107482151       |

|                             |            |           |    |             |    |           |             |            |             |
|-----------------------------|------------|-----------|----|-------------|----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.       | 87 | Rel.      | 93 %        | <b>SPI</b> | -2047       |
| Number controls             |            | <b>BV</b> |    | Milk        |    | Fat       | %           | Prot.      | %           |
| <b>1978</b>                 |            |           |    | <b>-858</b> |    | <b>-5</b> | <b>0,60</b> | <b>-11</b> | <b>0,40</b> |
|                             |            |           |    |             |    |           |             | <b>SCS</b> | <b>2,34</b> |
|                             |            |           |    |             |    |           |             | rank       | 886.        |
|                             |            |           |    |             |    |           |             | rank       | 31.         |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 25 | 77,6 | Rel. | 69 % | <b>TYPE</b> | -0,20 |
|                  |             |       |       |       |    |      |      |      | rank        | 532.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,82 |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | -0,90 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | 0,24  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,01 |    |    |   |    |    |
| Fore Udder Attachment | 0,37  |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | -0,40 |    |    |   |    |    |
| Udder Depth           | 0,45  |    |    |   |    |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | 1,52  |    |    |   |    |    |
| Rear Teat Placement   | 0,45  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,2 | <b>Frame</b>           | <b>-1,40</b> |
| 76,7 | <b>Dairy Strength</b>  | <b>-0,95</b> |
| 80,0 | <b>Feet &amp; Legs</b> | <b>0,48</b>  |
| 76,8 | <b>Udder</b>           | <b>0,63</b>  |
|      | <b>SHI</b>             | <b>-69,7</b> |
|      | rank                   | 550.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>STEMPEL</b>    | <b>DE000015238012</b> | <b>05.05.1993</b> | <b>SOG-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | HANOVERHILL STARBUCK |
| STOLLBERG      |            | CA000000352790       |
| DE000605543976 | <b>PGD</b> | ISETTA 256           |
|                |            | DE000754932446       |
| <b>Dam</b>     | <b>MGS</b> | OCEAN-VIEW DIXIECRAT |
| ILDISC         |            | US000001856116       |
| DE000505673408 | <b>MGD</b> | ILSA                 |
|                |            | DE000503388641       |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>213</b> | Daug.       | <b>2720</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2864</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1057.        |
| <b>52969</b>                |            |           |            | <b>-755</b> |             | <b>-18</b> | <b>0,23</b> | <b>SCS</b> | <b>3,27</b>  |
|                             |            |           |            |             |             | <b>-21</b> | <b>0,06</b> | rank       | 875.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 7</b> | Daug. | <b>28</b> | 75,7 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>-0,20</b> |
|                  |             |       |               |       |           |      |      | rank        | 533.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,36  |    |    |   |    |    |
| Angularity            | -0,39 |    |    |   |    |    |
| Chest Width           | 0,95  |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | -0,04 |    |    |   |    |    |
| Foot Angle            | 0,28  |    |    |   |    |    |
| Fore Udder Attachment | -1,00 |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | -1,15 |    |    |   |    |    |
| Rear Udder Width      | -0,63 |    |    |   |    |    |
| Central Ligament      | 0,65  |    |    |   |    |    |
| Udder Depth           | -1,23 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | -0,62 |    |    |   |    |    |
| Rear Teat Placement   | 0,40  |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | 0,74  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Frame</b>           | <b>1,12</b>  |
| 72,1 | <b>Dairy Strength</b>  | <b>0,48</b>  |
| 76,6 | <b>Feet &amp; Legs</b> | <b>-0,67</b> |
| 75,4 | <b>Udder</b>           | <b>-1,04</b> |
|      | <b>SHI</b>             | <b>-94,4</b> |
|      | rank                   | 596.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                |
|----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number               | Birth date        | State Register |
| <b>OSTERTIN MAGUA P-ET</b> | <b>CZ000580391053</b>             | <b>06.10.2008</b> | <b>LBO-001</b> |
| Country of origin          | CZ                                | <b>Breed</b>      | H100           |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                            |                                   | Paternity         | 29.07.2010     |
|                            |                                   | CZ                | 0901877        |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | DUDOC BACCULUM-ET         |
| AGGRAVATION LAWN BOY P-RED |            | CA000009104500            |
| US000133080890             | <b>PGD</b> | AGGRAVATION BRIGITTE P-ET |
|                            |            | US000130237903            |
|                            |            | ATE-008                   |
| <b>Dam</b>                 | <b>MGS</b> | HICKORYMEA OTTAWA P-ET    |
| OSTRETIN MIA 4P            |            | US000129536035            |
| CZ000171029953             | <b>MGD</b> | OSTRETIN MIA 2-ET         |
|                            |            | CZ000109459953            |

|                             |            |           |    |            |     |          |              |            |             |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 13 | Daug.      | 162 | Rel.     | 92 %         | <b>SPI</b> | 1741        |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | Prot.      | %           |
| <b>1298</b>                 |            |           |    | <b>379</b> |     | <b>5</b> | <b>-0,17</b> | <b>17</b>  | <b>0,10</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | 2,75        |
|                             |            |           |    |            |     |          |              | rank       | 131.        |
|                             |            |           |    |            |     |          |              | rank       | 229.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 2 | Daug. | 20 | 81,4 | Rel. | 57 % | <b>TYPE</b> | -0,20 |
|                  |             |       |        |       |    |      |      |      | rank        | 534.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,01  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,40 |    |    |   |    |    |
| Rump Angle            | -0,35 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | 0,05  |    |    |   |    |    |
| Front Teat Placement  | 0,22  |    |    |   |    |    |
| Teat Length           | 0,19  |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | 0,46  |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 0,63  |    |    |   |    |    |
| Rear Teat Placement   | 0,43  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,47  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 85,0 | <b>Frame</b>           | <b>-0,08</b> |
| 80,8 | <b>Dairy Strength</b>  | <b>-0,86</b> |
| 84,3 | <b>Feet &amp; Legs</b> | <b>-0,11</b> |
| 78,9 | <b>Udder</b>           | <b>0,19</b>  |
|      | <b>SHI</b>             | <b>44,3</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>BUSLAK MARSHALL PAJTAS-ET</b> | <b>SK000673744201</b> | <b>26.04.2004</b> | <b>MNL-019</b> |
| Country of origin                | SK                    | <b>Breed</b>      | H93,8 S 6,2    |
| Distributor                      | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                  |                       | Paternity         | 04.01.2006     |
|                                  |                       | SK                | 0341/33        |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET |            | US000002119526              |
| US000002297473        | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007               |            | US000014334791              |
| <b>Dam</b>            | <b>MGS</b> | MEADOW BRIDGE MILLION-ET    |
| PAVLINKA              |            | CA000005410058              |
| SK000067275843        | <b>MGD</b> | SK000033867823              |
|                       |            | ARS-008                     |

|                             |            |           |    |            |    |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 26 | Daug.      | 82 | Rel.      | 92 %         | <b>SPI</b> | 283          |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %            | Prot.      | %            |
| <b>1592</b>                 |            |           |    | <b>253</b> |    | <b>-3</b> | <b>-0,23</b> | <b>0</b>   | <b>-0,17</b> |
|                             |            |           |    |            |    |           |              | <b>SCS</b> | <b>3,02</b>  |
|                             |            |           |    |            |    |           |              | rank       | 371.         |
|                             |            |           |    |            |    |           |              | rank       | 569.         |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 11 | 79,1 | Rel. | 61 % | <b>TYPE</b> | -0,21 |
|                  |             |       |       |       |    |      |      |      | rank        | 535.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,02 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | -0,73 |    |    |   |    |    |
| Rear Legs Side View   | 0,53  |    |    |   |    |    |
| Foot Angle            | -0,63 |    |    |   |    |    |
| Fore Udder Attachment | 0,71  |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | 0,72  |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | -0,10 |    |    |   |    |    |
| Udder Depth           | 0,02  |    |    |   |    |    |
| Rump Width            | -0,46 |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | -0,34 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>-0,32</b> |
| 79,5 | <b>Dairy Strength</b>  | <b>-0,68</b> |
| 78,0 | <b>Feet &amp; Legs</b> | <b>-0,72</b> |
| 79,0 | <b>Udder</b>           | <b>0,56</b>  |
|      | <b>SHI</b>             | <b>0,3</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>SEBALD-ET</b>  | <b>DE001021538520</b>             | <b>05.05.1995</b> | <b>SUM-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 14.06.1995     |
|                   |                                   | DEU               | 95/8757        |

### Pedigree

|                    |            |                           |         |
|--------------------|------------|---------------------------|---------|
| <b>Sire</b>        | <b>PGS</b> | BIS-MAY TRADITION CLEITUS |         |
| GLEN-TOCTIN SLOCUM |            | US000001879085            | CLE-003 |
| US000002097322     | <b>PGD</b> | GLEN-TOCTIN MARK SAGE     |         |
| CLE-015            |            | US000012631699            |         |
| <b>Dam</b>         | <b>MGS</b> | TO-MAR BLACKSTAR-ET       |         |
| LEONE              |            | US000001929410            | CHR-002 |
| DE001020924750     | <b>MGD</b> | LOTTI                     |         |
|                    |            | DE001020228305            |         |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>64</b> | Daug.       | <b>713</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-2473</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | Prot.      | %            |
| <b>12956</b>                |            |           |           | <b>-471</b> |            | <b>-22</b> | <b>-0,09</b> | <b>-19</b> | <b>-0,11</b> |
|                             |            |           |           |             |            |            |              | <b>SCS</b> | <b>3,25</b>  |
|                             |            |           |           |             |            |            |              | rank       | 973.         |
|                             |            |           |           |             |            |            |              | rank       | 855.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 10</b> | Daug. | <b>76</b> | 77,6 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>-0,21</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 536.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,57 |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | -0,18 |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | 0,36  |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | 0,15  |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | -0,39 |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | 0,64  |    |    |   |    |    |
| Udder Depth           | -1,03 |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | 0,47  |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,6 | <b>Frame</b>           | <b>-0,84</b> |
| 78,0 | <b>Dairy Strength</b>  | <b>1,11</b>  |
| 77,4 | <b>Feet &amp; Legs</b> | <b>0,28</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,36</b> |
|      | <b>SHI</b>             | <b>-82,8</b> |
|      | rank                   | 578.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>WINDEMERE JOPLIN-ET</b> | <b>US000002289779</b> | <b>19.07.1995</b> | <b>MNL-005</b> |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook          | HA             |
|                            |                       | Paternity         | 20.02.1996     |
|                            |                       | CAN               | BTIG219302     |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US0000012593031             |
| <b>Dam</b>               | <b>MGS</b> | MADAWASKA AEROSTAR          |
| WINDEMERE JANUARY        |            | CA000000383622              |
| US0000015220380          | <b>MGD</b> | WINDEMERE-MASMILL JELLYBEAN |
|                          |            | US0000014237052             |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>403</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>-675</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 570.        |
| <b>7899</b>                 |            |           |           | <b>-111</b> |            | <b>-8</b> | <b>-0,09</b> | <b>SCS</b> | <b>3,12</b> |
|                             |            |           |           |             |            | <b>-5</b> | <b>-0,03</b> | rank       | 689.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 5</b> | Daug. | <b>64</b> | 77,3 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>-0,21</b> |
|                  |             |       |              |       |           |      |      | rank        | 537.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,32  |    |    |   |    |    |
| Angularity            | 0,55  |    |    |   |    |    |
| Chest Width           | -0,89 |    |    |   |    |    |
| Body Depth            | -0,34 |    |    |   |    |    |
| Rump Angle            | -0,57 |    |    |   |    |    |
| Rear Legs Side View   | 0,09  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -0,10 |    |    |   |    |    |
| Rear Udder Height     | -0,55 |    |    |   |    |    |
| Rear Udder Width      | -0,84 |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | 0,22  |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 0,90  |    |    |   |    |    |
| Locomotion            | -0,33 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,6 | <b>Frame</b>           | <b>-0,27</b> |
| 78,3 | <b>Dairy Strength</b>  | <b>0,50</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-0,26</b> |
| 75,2 | <b>Udder</b>           | <b>-0,22</b> |
|      | <b>SHI</b>             | <b>-28,7</b> |
|      | rank                   | 455.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>OBETY</b>      | <b>FR005925364302</b>             | <b>30.04.1998</b> | <b>WEL-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | ...            |

### Pedigree

|                   |            |                              |
|-------------------|------------|------------------------------|
| <b>Sire</b>       | <b>PGS</b> | SOUTHWIND BELL OF BAR-LEE    |
| WELLS CATALYST-ET |            | US000001964484               |
| US000002193611    |            | BEL-001                      |
| BEL-018           | <b>PGD</b> | BARN-AIRES VAL-MEL CAROL-ET  |
|                   |            | US000013757685               |
| <b>Dam</b>        | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LUKE BETTY        |            | US000002071864               |
| US000015475332    |            | CLE-005                      |
|                   | <b>MGD</b> | MOROVILLE WINKEN BOBBI       |
|                   |            | US000013759225               |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug. | 105 | Rel.  | 94 % | <b>SPI</b> | 262        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| 2191                        |            |           |    | 127   | 5   | -0,01 | -1   | -0,11      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 379.       |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 585.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 7 | Daug. | 20 | 77,6 | Rel. | 64 % | <b>TYPE</b> | -0,21 |
|                  |             |       |       |       |    |      |      |      | rank        | 538.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | -0,35 |    |    |   |    |    |
| Chest Width           | 0,36  |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | 0,59  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | -0,12 |    |    |   |    |    |
| Front Teat Placement  | -0,65 |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | -0,68 |    |    |   |    |    |
| Rear Udder Width      | -0,53 |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | -0,27 |    |    |   |    |    |
| Rump Width            | 0,22  |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,43 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,5 | <b>Frame</b>           | 1,28  |
| 76,3 | <b>Dairy Strength</b>  | -0,70 |
| 78,0 | <b>Feet &amp; Legs</b> | 0,58  |
| 75,3 | <b>Udder</b>           | -1,06 |
|      | <b>SHI</b>             | -0,6  |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CARLIN-ET</b>  | <b>DE00000391546</b>              | <b>01.01.1990</b> | <b>CLE-017</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 27.02.1990     |
|                   |                                   | DEU               | 90/2968        |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS |            | US000001682485          |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                   |            | US000010192628          |
| <b>Dam</b>                | <b>MGS</b> | CARLIN-M IVANHOE BELL   |
| HOLLI                     |            | US000001667366          |
| DE001020437039            | <b>MGD</b> | BUFFALO                 |
|                           |            | DE000105583797          |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.       | <b>337</b> | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>-3505</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %           | Prot.      | %            |
| <b>5610</b>                 |            |           |           | <b>-813</b> |            | <b>-26</b> | <b>0,09</b> | <b>-26</b> | <b>-0,02</b> |
|                             |            |           |           |             |            |            |             | rank       | 1186.        |
|                             |            |           |           |             |            |            |             | <b>SCS</b> | <b>3,23</b>  |
|                             |            |           |           |             |            |            |             | rank       | 821.         |

|                  |             |       |              |       |           |      |      |             |             |              |      |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 4</b> | Daug. | <b>45</b> | 76,9 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>-0,22</b> |      |
|                  |             |       |              |       |           |      |      |             |             | rank         | 539. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    | ■ |    |    |
| Angularity            | -0,16 |    |    | ■ |    |    |
| Chest Width           | 0,30  |    |    |   | ■  |    |
| Body Depth            | 0,10  |    |    | ■ |    |    |
| Rump Angle            | 0,83  |    |    |   | ■  | ■  |
| Rear Legs Side View   | -0,19 |    |    | ■ |    |    |
| Foot Angle            | -0,08 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,24 |    |    | ■ |    |    |
| Front Teat Placement  | -0,71 |    | ■  |   |    |    |
| Teat Length           | 0,66  |    |    |   | ■  | ■  |
| Rear Udder Height     | 0,01  |    |    | ■ |    |    |
| Rear Udder Width      | 0,10  |    |    | ■ |    |    |
| Central Ligament      | -0,22 |    |    | ■ |    |    |
| Udder Depth           | -0,29 |    |    | ■ |    |    |
| Rump Width            | -0,24 |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,37 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,44  |    |    |   | ■  | ■  |
| Locomotion            | -0,13 |    |    | ■ |    |    |
| Body Condition        | 0,34  |    |    |   | ■  | ■  |

daught. average

77,9 **Frame** **-0,11**

74,6 **Dairy Strength** **0,16**

78,8 **Feet & Legs** **-0,02**

76,5 **Udder** **-0,39**

**SHI** **-114,7**

rank 618.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>JK EDER COYOTE</b> | <b>FR001450822004</b>             | <b>13.11.2003</b> | <b>FAL-004</b> |
| Country of origin     | FR                                | <b>Breed</b>      | H100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 10.03.2004     |
|                       |                                   | NLD               | 111194         |

### Pedigree

|                   |            |                         |
|-------------------|------------|-------------------------|
| <b>Sire</b>       | <b>PGS</b> | FATAL                   |
| COGENT COURIER-ET |            | FR002290038601          |
| GB000000586950    | <b>PGD</b> | TIDY-BROOK CEL CLARA-ET |
| FAL-003           |            | US000015688607          |
| <b>Dam</b>        | <b>MGS</b> | HA-HO CUBBY MANFRED-ET  |
| JK EDER LEI 2     |            | US000002183007          |
| NL000271489418    | <b>MGD</b> | UNICORN CELSIUS LEI-ET  |
|                   |            | US000015753091          |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug. | 79  | Rel.  | 91 %  | <b>SPI</b> | -458       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>1521</b>                 |            |           |    | -125  | -14 | -0,19 | 1     | 0,11       | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 525.       |
|                             |            |           |    |       |     |       |       |            | 1070.      |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 8 | Daug. | 22 | 79,0 | Rel. | 66 % | <b>TYPE</b> | -0,23 |
|                  |             |       |        |       |    |      |      |      | rank        | 540.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | 0,54  |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | -0,78 |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,64 |    |    |   |    |    |
| Front Teat Placement  | 0,59  |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,27 |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,62 |    |    |   |    |    |
| Rump Width            | 0,78  |    |    |   |    |    |
| Rear Legs Rear View   | -0,69 |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | 0,50  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 83,9 | <b>Frame</b>           | 1,16  |
| 79,4 | <b>Dairy Strength</b>  | -0,37 |
| 77,6 | <b>Feet &amp; Legs</b> | -0,76 |
| 77,1 | <b>Udder</b>           | -0,56 |
|      | <b>SHI</b>             | -23,0 |
|      | rank                   | 435.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>AGRIPA BELLWOOD PROFIT-ET</b> | <b>SK000081555859</b>             | <b>04.04.1997</b> | <b>BW-002</b>  |
| Country of origin                | SK                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 19.03.1998     |
|                                  |                                   | SVK               | 0232/34        |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| MAIZEFIELD BELLWOOD-ET      |            | US000001879149             |
| US000002103297              | <b>PGD</b> | BREN-WAY BELL BETSY        |
| MEW-004                     |            | US000012052401             |
| <b>Dam</b>                  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |
| CAERNARVON LEADMAN SANDI-ET |            | US000001983348             |
| US000014371238              | <b>MGD</b> | CAERNARVON BELL SANDY-ET   |
|                             |            | US000012859819             |
|                             |            | TDN-004                    |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 39 | Daug. | 111 | Rel. | 93 % | <b>SPI</b> | -724 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| <b>2116</b>                 |            |           |    | -277  |     | 4    | 0,28 | -7         | 0,03 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,93 |
|                             |            |           |    |       |     |      |      | rank       | 581. |
|                             |            |           |    |       |     |      |      | rank       | 439. |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 11 | Daug. | 21 | 75,8 | Rel. | 66 % | <b>TYPE</b> | -0,24 |
|                  |             |       |         |       |    |      |      |      | rank        | 541.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | -0,33 |    |    |   |    |    |
| Chest Width           | 0,24  |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | -0,04 |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | 0,91  |    |    |   |    |    |
| Fore Udder Attachment | 0,21  |    |    |   |    |    |
| Front Teat Placement  | -0,59 |    |    |   |    |    |
| Teat Length           | 0,20  |    |    |   |    |    |
| Rear Udder Height     | -0,41 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,93 |    |    |   |    |    |
| Udder Depth           | -0,28 |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | -0,65 |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,36 |    |    |   |    |    |

daught. average

78,7 **Frame** 0,47

73,7 **Dairy Strength** -0,62

77,7 **Feet & Legs** 0,92

74,5 **Udder** -0,81

**SHI** -31,4

rank 459.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>CLOUD-CAP WIN JUSTICE</b> | <b>US000126725661</b>             | <b>09.01.1999</b> | <b>WIT-002</b> |
| Country of origin            | US                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 23.06.1999     |
|                              |                                   | USA               | IG252890A      |

### Pedigree

|                           |            |                               |         |
|---------------------------|------------|-------------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR            |         |
| LADYS-MANOR WINCHESTER-ET |            | CA000000383622                | STB-011 |
| US000002205082            | <b>PGD</b> | LADYS-MANOR TOP GUN JEMINI-ET |         |
|                           |            | US000013586096                |         |
| <b>Dam</b>                | <b>MGS</b> | TESK-HOLM VALIANT ROCKIE      |         |
| CLOUD-CAP TESK,PEBBLES    |            | US000001841366                | VAL-016 |
| US000015283042            | <b>MGD</b> | CLOUD-CAP WISTER,SPICY        |         |
|                           |            | US000014538794                |         |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.      | <b>98</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>1087</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 228.        |
| <b>1703</b>                 |            |           |           | <b>290</b> |           | <b>18</b> | <b>0,11</b>  | <b>SCS</b> | <b>3,44</b> |
|                             |            |           |           |            |           | <b>3</b>  | <b>-0,13</b> | rank       | 1067.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 16</b> | Daug. | <b>41</b> | 77,7 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,24</b> |
|                  |             |       |                |       |           |      |      | rank        | 542.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,44 |    |    |   |    |    |
| Angularity            | 0,57  |    |    |   |    |    |
| Chest Width           | -0,74 |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 1,75  |    |    |   |    |    |
| Rear Legs Side View   | 0,57  |    |    |   |    |    |
| Foot Angle            | -0,84 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | 0,69  |    |    |   |    |    |
| Rear Udder Width      | 0,49  |    |    |   |    |    |
| Central Ligament      | 1,21  |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | 0,18  |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | -0,48 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,6 | <b>Frame</b>           | <b>-0,89</b> |
| 77,3 | <b>Dairy Strength</b>  | <b>0,75</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-1,07</b> |
| 77,9 | <b>Udder</b>           | <b>0,47</b>  |
|      | <b>SHI</b>             | <b>23,2</b>  |
|      | rank                   | 282.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RUGARD</b>    | <b>DE000579516286</b>      | <b>31.03.2002</b> | <b>RUD-006</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.05.2002 |
|                   |                                   | DEU          | 02/7052    |

### Pedigree

|                |            |                     |
|----------------|------------|---------------------|
| <b>Sire</b>    | <b>PGS</b> | RUDI                |
| RUBENS         |            | DE000609695599      |
| DE000577182316 | <b>PGD</b> | WS ARKTIS           |
|                |            | DE000576424318      |
| <b>Dam</b>     | <b>MGS</b> | KOMMANDEUR LEADER 1 |
| ALINA          |            | NL000775157228      |
| DE000343347520 | <b>MGD</b> | ARABELLA            |
|                |            | DE000340622603      |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 34 | Daug. | 112 | Rel.  | 93 % | <b>SPI</b> | 1200        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| 2365                        |            |           |    | 323   | 4   | -0,17 | 10   | -0,00      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 208.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 33.         |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 5 | Daug. | 32 | 77,6 | Rel. | 73 % | <b>TYPE</b> | -0,24 |
|                  |             |       |       |       |    |      |      |      | rank        | 543.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,76 |    |    |   |    |    |
| Angularity            | 0,55  |    |    |   |    |    |
| Chest Width           | -1,18 |    |    |   |    |    |
| Body Depth            | -1,02 |    |    |   |    |    |
| Rump Angle            | 1,57  |    |    |   |    |    |
| Rear Legs Side View   | -0,35 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,33  |    |    |   |    |    |
| Teat Length           | -0,88 |    |    |   |    |    |
| Rear Udder Height     | 0,89  |    |    |   |    |    |
| Rear Udder Width      | 0,63  |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | 0,08  |    |    |   |    |    |
| Rump Width            | -0,18 |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | 0,42  |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,77 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 77,0 | <b>Frame</b> | -1,72 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 78,3 | <b>Dairy Strength</b> | -0,59 |
|------|-----------------------|-------|

|      |                        |       |
|------|------------------------|-------|
| 77,6 | <b>Feet &amp; Legs</b> | -0,01 |
|------|------------------------|-------|

|      |              |      |
|------|--------------|------|
| 77,4 | <b>Udder</b> | 0,87 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 26,5 |
|--|------------|------|

rank 258.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>WEGGELHORSTER SANTANA</b> | <b>NL000379401837</b>             | <b>15.10.2003</b> | <b>ZID-001</b> |
| Country of origin            | NL                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 08.12.2003     |
|                              |                                   | NLD               | 107231         |

### Pedigree

|                     |            |                           |
|---------------------|------------|---------------------------|
| <b>Sire</b>         | <b>PGS</b> | SABBIONA GIGH             |
| CERETTESE ZIDANE-ET |            | IT001308046686            |
| IT000601040506      | <b>PGD</b> | UPUPA-ET                  |
|                     |            | IT000601033897            |
| <b>Dam</b>          | <b>MGS</b> | WEL-BROOK ROYAL GENTRY-ET |
| DIRNDEL 22          |            | US000002031288            |
| NL000835093215      | <b>MGD</b> | DIRNDEL 20                |
|                     |            | NL000777979903            |

|                             |            |           |           |             |            |             |             |             |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>122</b> | Rel.        | <b>94 %</b> | <b>SPI</b>  | <b>-176</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank        | 462.        |
| <b>2571</b>                 |            |           |           | <b>-142</b> | <b>-4</b>  | <b>0,02</b> | <b>2</b>    | <b>0,14</b> | <b>SCS</b>  |
|                             |            |           |           |             |            |             |             | rank        | 223.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 3</b> | Daug. | <b>11</b> | 78,0 | Rel. | <b>48 %</b> | <b>TYPE</b> | <b>-0,24</b> |
|                  |             |       |              |       |           |      |      | rank        | 544.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    | ■ |    |    |
| Angularity            | 0,45  |    |    |   | ■  |    |
| Chest Width           | -0,36 |    |    | ■ |    |    |
| Body Depth            | -0,13 |    |    | ■ |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,42 |    |    | ■ |    |    |
| Foot Angle            | -0,47 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,22 |    |    | ■ |    |    |
| Front Teat Placement  | -0,04 |    |    |   |    |    |
| Teat Length           | -0,34 |    |    | ■ |    |    |
| Rear Udder Height     | -0,49 |    |    | ■ |    |    |
| Rear Udder Width      | 0,42  |    |    |   | ■  |    |
| Central Ligament      | 0,30  |    |    |   | ■  |    |
| Udder Depth           | -0,44 |    |    | ■ |    |    |
| Rump Width            | 0,27  |    |    |   | ■  |    |
| Rear Legs Rear View   | 0,58  |    |    |   | ■  |    |
| Rear Teat Placement   | 0,17  |    |    |   | ■  |    |
| Locomotion            | 0,19  |    |    |   | ■  |    |
| Body Condition        | 0,59  |    |    |   | ■  |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,4 | <b>Frame</b>           | <b>-0,46</b> |
| 79,1 | <b>Dairy Strength</b>  | <b>0,42</b>  |
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,01</b>  |
| 76,0 | <b>Udder</b>           | <b>-0,31</b> |
|      | <b>SHI</b>             | <b>-15,0</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>FRITZ-GLEN SP TERRY-RED-ET</b> | <b>US000134227476</b>             | <b>13.02.2003</b> | <b>PRX-001</b> |
| Country of origin                 | US                                | <b>Breed</b>      | R100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 19.05.2004     |
|                                   |                                   | USA               | 17395A         |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | GLEN-TOCTIN JOHNSON-ET     |
| STARSTRUCK J PARADOX-RED-ET |            | US000002145651             |
| US000017286871              | <b>PGD</b> | J-DON MENTUM PILLAR-RED-ET |
|                             |            | US000015062983             |
| <b>Dam</b>                  | <b>MGS</b> | CAROL PRELUDE MTOTO-ET     |
| KLATTVIEW CPM TARA-TW       |            | IT006001001962             |
| US000128945249              | <b>MGD</b> | KLATTVIEW ATREYU TIARA     |
|                             |            | US000015737862             |

|                             |            |           |           |             |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>76</b> | Rel.      | <b>91 %</b>  | <b>SPI</b> | <b>-412</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |              | rank       | 514.        |
| <b>1647</b>                 |            |           |           | <b>-122</b> |           | <b>9</b>  | <b>0,25</b>  | <b>SCS</b> | <b>2,63</b> |
|                             |            |           |           |             |           | <b>-7</b> | <b>-0,09</b> | rank       | 144.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>16</b> | 77,0 | Rel. | <b>59 %</b> | <b>TYPE</b> | <b>-0,24</b> |
|                  |             |       |              |       |           |      |      | rank        | 545.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,26 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,01  |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | -0,13 |    |    |   |    |    |
| Rear Legs Side View   | 0,25  |    |    |   |    |    |
| Foot Angle            | -0,76 |    |    |   |    |    |
| Fore Udder Attachment | 0,08  |    |    |   |    |    |
| Front Teat Placement  | 0,75  |    |    |   |    |    |
| Teat Length           | -0,62 |    |    |   |    |    |
| Rear Udder Height     | 0,37  |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | -0,17 |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

77,5 **Frame** **-1,34**

78,7 **Dairy Strength** **1,35**

77,1 **Feet & Legs** **-1,01**

76,4 **Udder** **0,47**

**SHI** **-22,1**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>LATUCH ELEGANT TORO-ET</b> | <b>US000062711203</b>             | <b>26.08.2006</b> | <b>BW-054</b>  |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 24.07.2007     |
|                               |                                   | US                | MO7028562      |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| HONEYCREST ELEGANT-ET |            | US000002290977              |
| US000130629351        | <b>PGD</b> | HONEYCREST PATRON TANYA-ET  |
|                       |            | US000018001494              |
| <b>Dam</b>            | <b>MGS</b> | RICECREST BOONE-ET          |
| LATUCH BOONE TERESA   |            | US000002296354              |
| US000131616082        | <b>MGD</b> | LATUCH DEMAND TRUDY         |
|                       |            | US000127766140              |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>13</b> | Daug.      | <b>189</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>2654</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 54.         |
| <b>1641</b>                 |            |           |           | <b>541</b> |            | <b>32</b> | <b>0,19</b>  | <b>SCS</b> | <b>2,47</b> |
|                             |            |           |           |            |            | <b>16</b> | <b>-0,02</b> | rank       | 69.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 5</b> | Daug. | <b>55</b> | 80,7 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,24</b> |
|                  |             |       |               |       |           |      |      | rank        | 546.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,71 |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | -0,11 |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | 0,29  |    |    |   |    |    |
| Front Teat Placement  | 0,19  |    |    |   |    |    |
| Teat Length           | -0,28 |    |    |   |    |    |
| Rear Udder Height     | 0,49  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 0,22  |    |    |   |    |    |
| Udder Depth           | -0,08 |    |    |   |    |    |
| Rump Width            | -0,38 |    |    |   |    |    |
| Rear Legs Rear View   | 0,69  |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,32 |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

83,5 **Frame** **-0,96**

80,0 **Dairy Strength** **-0,76**

82,1 **Feet & Legs** **-0,34**

79,0 **Udder** **0,52**

**SHI** **70,3**

rank 147.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>SOETTEN BOTTER TANGO</b> | <b>NL000440623982</b>             | <b>06.06.2006</b> | <b>RUD-008</b> |
| Country of origin           | NL                                | <b>Breed</b>      | R100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 03.10.2006     |
|                             |                                   | NL                | 147746         |

### Pedigree

|                            |            |                           |         |
|----------------------------|------------|---------------------------|---------|
| <b>Sire</b>                | <b>PGS</b> | ALMERE PABLO              |         |
| FREDERIK PUNTDROAD         |            | NL000198991265            |         |
| NL000256086528             | <b>PGD</b> | FLORINA                   |         |
|                            |            | NL000194481717            |         |
| <b>Dam</b>                 | <b>MGS</b> | BEAUTIFUL                 |         |
| SOETTEN BOTTER ALLMACHT 10 |            | NL000189887001            | JUL-003 |
| NL000354418867             | <b>MGD</b> | SOETTEN BOTTER ALLMACHT 8 |         |
|                            |            | NL000274316739            |         |

|                             |            |           |           |             |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>161</b> | Rel.     | <b>95 %</b> | <b>SPI</b> | <b>-238</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat      |             | rank       | 476.        |
| <b>3174</b>                 |            |           |           | <b>-359</b> |            | <b>9</b> | <b>0,44</b> | <b>SCS</b> | <b>2,83</b> |
|                             |            |           |           |             |            | <b>0</b> | <b>0,26</b> | rank       | 321.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 5</b> | Daug. | <b>35</b> | 78,9 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-0,25</b> |
|                  |             |       |               |       |           |      |      | rank        | 547.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,11 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | 0,29  |    |    |   |    |    |
| Body Depth            | 0,52  |    |    |   |    |    |
| Rump Angle            | -0,44 |    |    |   |    |    |
| Rear Legs Side View   | -0,43 |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | -0,84 |    |    |   |    |    |
| Teat Length           | 0,32  |    |    |   |    |    |
| Rear Udder Height     | -0,44 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 0,13  |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | -1,74 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,1 | <b>Frame</b>           | <b>0,17</b>  |
| 80,2 | <b>Dairy Strength</b>  | <b>-0,00</b> |
| 79,9 | <b>Feet &amp; Legs</b> | <b>-0,61</b> |
| 75,5 | <b>Udder</b>           | <b>-0,69</b> |
|      | <b>SHI</b>             | <b>-17,0</b> |
|      | rank                   | 421.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>IGOR</b>       | <b>FR002293002137</b>             | <b>03.06.1993</b> | <b>BS-008</b>         |
| Country of origin | FR                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 07.12.1993            |
|                   |                                   | FRA               | GS537773              |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | HANOVERHILL STARBUCK     |
| CARLINDA            |            | CA000000352790           |
| FR002287024146      | <b>MGD</b> | ARLINDA                  |
|                     |            | FR002285020993           |

|                             |            |           |    |             |     |            |             |            |             |
|-----------------------------|------------|-----------|----|-------------|-----|------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug.       | 199 | Rel.       | 96 %        | <b>SPI</b> | -2109       |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat        | %           | Prot.      | %           |
| <b>4090</b>                 |            |           |    | <b>-514</b> |     | <b>-18</b> | <b>0,03</b> | <b>-14</b> | <b>0,04</b> |
|                             |            |           |    |             |     |            |             | <b>SCS</b> | 2,97        |
|                             |            |           |    |             |     |            |             | rank       | 897.        |
|                             |            |           |    |             |     |            |             | rank       | 485.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 7 | Daug. | 18 | 75,6 | Rel. | 66 % | <b>TYPE</b> | -0,25 |
|                  |             |       |       |       |    |      |      |      | rank        | 548.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,33 |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | 0,94  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | 0,23  |    |    |   |    |    |
| Teat Length           | -0,49 |    |    |   |    |    |
| Rear Udder Height     | -0,42 |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | 0,48  |    |    |   |    |    |
| Udder Depth           | 0,01  |    |    |   |    |    |
| Rump Width            | 0,28  |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,64  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,2 | <b>Frame</b>           | -0,24 |
| 74,0 | <b>Dairy Strength</b>  | 0,33  |
| 75,8 | <b>Feet &amp; Legs</b> | -1,15 |
| 74,7 | <b>Udder</b>           | 0,43  |
|      | <b>SHI</b>             | -73,6 |
|      | rank                   | 562.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JARODIN-ET</b> | <b>DE000768113770</b>             | <b>01.11.2002</b> | <b>BES-006</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 18.11.2002     |
|                   |                                   | DEU               | 02/40121       |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN     |            | FR004486041658 |
| FR005694028588 | <b>PGD</b> | GAIA           |
|                |            | FR005691017484 |
| <b>Dam</b>     | <b>MGS</b> | LUKAS          |
| GRENOBL 728    |            | DE001012104370 |
| DE000767425304 | <b>MGD</b> | GERANIU106     |
|                |            | DE000760341795 |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>103</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1507</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 764.         |
| <b>2263</b>                 |            |           |           | <b>-294</b> |            | <b>-16</b> | <b>-0,10</b> | <b>SCS</b> | <b>2,78</b>  |
|                             |            |           |           |             |            | <b>-10</b> | <b>-0,04</b> | rank       | 262.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 8</b> | Daug. | <b>24</b> | 77,5 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>-0,26</b> |
|                  |             |       |               |       |           |      |      | rank        | 549.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,65  |    |    |   |    |    |
| Chest Width           | -0,55 |    |    |   |    |    |
| Body Depth            | -0,68 |    |    |   |    |    |
| Rump Angle            | -0,17 |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | -0,43 |    |    |   |    |    |
| Teat Length           | -0,26 |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | -0,82 |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | 1,32  |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,54 |    |    |   |    |    |
| Rear Teat Placement   | -0,03 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>0,26</b>  |
| 79,4 | <b>Dairy Strength</b>  | <b>0,65</b>  |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,18</b> |
| 75,3 | <b>Udder</b>           | <b>-0,67</b> |
|      | <b>SHI</b>             | <b>-55,7</b> |
|      | rank                   | 521.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>UNGARN-ET</b>  | <b>DE00000564715</b>              | <b>24.10.2000</b> | <b>UBB-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 08.12.2000     |
|                   |                                   | DEU               | 01/11807       |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| UBBO           |            | US000001920807               |
| DE001012261613 | <b>PGD</b> | PETRA                        |
|                |            | DE001002446155               |
| <b>Dam</b>     | <b>MGS</b> | DIXELLEN DESIGN              |
| WIMPEL 41      |            | CA000005335690               |
| DE000111011025 | <b>MGD</b> | RAPSODIE                     |
|                |            | DE000108009839               |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.      | <b>119</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>1488</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 153.        |
| <b>2679</b>                 |            |           |           | <b>405</b> |            | <b>13</b> | <b>-0,06</b> | <b>SCS</b> | <b>2,99</b> |
|                             |            |           |           |            |            | <b>9</b>  | <b>-0,08</b> | rank       | 522.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>21</b> | 78,0 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>-0,26</b> |
|                  |             |       |              |       |           |      |      | rank        | 550.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,02 |    |    |   |    |    |
| Angularity            | -0,48 |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | -0,23 |    |    |   |    |    |
| Rear Legs Side View   | -0,16 |    |    |   |    |    |
| Foot Angle            | 0,69  |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | 0,07  |    |    |   |    |    |
| Teat Length           | -0,16 |    |    |   |    |    |
| Rear Udder Height     | -0,03 |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | -0,20 |    |    |   |    |    |
| Udder Depth           | -0,01 |    |    |   |    |    |
| Rump Width            | 0,05  |    |    |   |    |    |
| Rear Legs Rear View   | -0,55 |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,35  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>-0,02</b> |
| 77,7 | <b>Dairy Strength</b>  | <b>-1,22</b> |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,68</b>  |
| 76,7 | <b>Udder</b>           | <b>-0,28</b> |
|      | <b>SHI</b>             | <b>34,6</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>CONSUEL</b>   | <b>CZ000053069388</b>      | <b>05.02.1998</b> | <b>MEG-004</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CZ             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 22.06.1998 |
|                   |                | CSK          | 4651/31    |

### Pedigree

|                             |            |                            |         |
|-----------------------------|------------|----------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | MADAWASKA AEROSTAR         |         |
| MEADOW BRIDGE MEGABUCK      |            | CA000000383622             | STB-011 |
| CA000005425054              | <b>PGD</b> | MEADOW BRIDGE MISCHIEF-ET  |         |
|                             |            | CA000004466380             |         |
| <b>Dam</b>                  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |         |
| CALBRETT LEADMAN FANFARE-ET |            | US000001983348             | TDN-004 |
| CA000005403738              | <b>MGD</b> | QUIETCOVE BELL FROST       |         |
|                             |            | CA000004558729             |         |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug. | 77 | Rel. | 91 %  | <b>SPI</b> | -131  |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %     | Prot.      | %     |
| 1562                        |            |           |    | 115   |    | -6   | -0,20 | -2         | -0,13 |
|                             |            |           |    |       |    |      |       | <b>SCS</b> | 3,91  |
|                             |            |           |    |       |    |      |       | rank       | 1232. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 3 | Daug. | 12 | 76,7 | Rel. | 56 % | <b>TYPE</b> | -0,26 |
|                  |             |       |       |       |    |      |      |      | rank        | 551.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,41 |    |    |   |    |    |
| Angularity            | 0,22  |    |    |   |    |    |
| Chest Width           | -0,49 |    |    |   |    |    |
| Body Depth            | -0,60 |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | -0,57 |    |    |   |    |    |
| Front Teat Placement  | 0,04  |    |    |   |    |    |
| Teat Length           | 1,46  |    |    |   |    |    |
| Rear Udder Height     | 0,93  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | -0,24 |    |    |   |    |    |
| Rump Width            | -0,21 |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | 0,19  |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,49 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 77,2 | <b>Frame</b>           | -1,04 |
|                 | 73,5 | <b>Dairy Strength</b>  | -0,02 |
|                 | 77,6 | <b>Feet &amp; Legs</b> | 0,13  |
|                 | 77,3 | <b>Udder</b>           | 0,32  |
|                 |      | <b>SHI</b>             | -14,3 |
|                 |      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>JUMP</b>      | <b>NL000516824118</b> | <b>29.12.1989</b> | <b>JUB-005</b> |

|                   |                                   |              |              |
|-------------------|-----------------------------------|--------------|--------------|
| Country of origin | NL                                | <b>Breed</b> | R100         |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA           |
|                   |                                   | Paternity    | 30.11.1990   |
|                   |                                   | NLD          | 019005048010 |

### Pedigree

|                       |            |                                |
|-----------------------|------------|--------------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET |            | US000001629391                 |
| CA000000376455        | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                       |            | CA000003003616                 |
| <b>Dam</b>            | <b>MGS</b> | E-D TONTO CAVALIER             |
| BELINDA 3             |            | US000000022235                 |
| NL000510688594        | <b>MGD</b> | BELINDA 2                      |
|                       |            | NL000507916437                 |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>144</b> | Daug.       | <b>1853</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3546</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1195.        |
| <b>34935</b>                |            |           |            | <b>-893</b> |             | <b>-27</b> | <b>0,15</b> | <b>SCS</b> | <b>3,17</b>  |
|                             |            |           |            |             |             | <b>-24</b> | <b>0,08</b> | rank       | 761.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 12</b> | Daug. | <b>35</b> | 76,5 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>-0,26</b> |
|                  |             |       |                |       |           |      |      | rank        | 552.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | 0,18  |    |    |   |    |    |
| Chest Width           | -0,86 |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | -1,27 |    |    |   |    |    |
| Rear Legs Side View   | -0,66 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | -0,41 |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | -0,60 |    |    |   |    |    |
| Rear Udder Height     | -0,13 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | 0,34  |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | -0,31 |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | -0,14 |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,2 | <b>Frame</b> | <b>-1,11</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 74,2 | <b>Dairy Strength</b> | <b>-0,06</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,0 | <b>Feet &amp; Legs</b> | <b>0,54</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,5 | <b>Udder</b> | <b>-0,03</b> |
|------|--------------|--------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-117,3</b> |
|--|------------|---------------|

rank 621.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LITHIUM</b>    | <b>NL000343909189</b>             | <b>13.06.2002</b> | <b>LBL-002</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 19.09.2002     |
|                   |                                   | NL                | 89145          |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | ETAZON LABELLE-ET |
| LIGHTNING      |            | NL000460942030    |
| NL000170475222 | <b>PGD</b> | TILLY             |
|                |            | NL000813510817    |
| <b>Dam</b>     | <b>MGS</b> | NEWHOUSE RONALD   |
| TINY 92        |            | NL000777430664    |
| NL000222806334 | <b>MGD</b> | TINY 80           |
|                |            | NL000113604751    |

|                             |            |           |           |            |             |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>93</b> | Daug.      | <b>2448</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>959</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       | %            | rank       | 250.         |
| <b>37844</b>                |            |           |           | <b>324</b> |             | <b>-4</b> | <b>-0,31</b> | <b>10</b>  | <b>-0,01</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |            |             |           |              | rank       | 610.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 6</b> | Daug. | <b>66</b> | 80,0 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,26</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 553.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,88  |    |    |   |    |    |
| Angularity            | -0,47 |    |    |   |    |    |
| Chest Width           | 0,29  |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    |    |
| Rump Angle            | 0,60  |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | -0,53 |    |    |   |    |    |
| Front Teat Placement  | 1,02  |    |    |   |    |    |
| Teat Length           | -0,46 |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | -0,47 |    |    |   |    |    |
| Rump Width            | 0,39  |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | 1,35  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 85,0 | <b>Frame</b> | <b>1,17</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 80,9 | <b>Dairy Strength</b> | <b>-0,72</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,68</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,6 | <b>Udder</b> | <b>-0,80</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>18,5</b> |
|--|------------|-------------|

rank 301.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                            |                   |                       |
|------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>             | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>PAGEN ERNWOOD DANE-ET</b> | <b>US000017007935</b>      | <b>14.03.1995</b> | <b>ZEB-002</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 21.05.2002 |
|                   |                                   | USA          | 8507       |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| ZIELLAND ZEBO             |            | US000001879149                |
| US000002137511            | <b>PGD</b> | ZIELLAND FUTURE HANNAH        |
| MEW-003                   |            | US000012630224                |
| <b>Dam</b>                | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| BEACHLAWN MASCOT DOREY-ET |            | US000002020049 NBY-011        |
| US000015244327            | <b>MGD</b> | BEACHLAWN DUTCHOE BELL        |
|                           |            | US000012323330                |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herd      | 14 | Daug. | 133 | Rel. | 95 % | <b>SPI</b> | 967        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 2783                        |            |           |    | 155   | 14  | 0,14 | 6    | 0,01       | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 248.       |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 218.       |

|                  |             |      |       |       |    |      |      |      |             |       |
|------------------|-------------|------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herd | 9 / 6 | Daug. | 30 | 79,0 | Rel. | 72 % | <b>TYPE</b> | -0,26 |
|                  |             |      |       |       |    |      |      |      | rank        | 554.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | -0,91 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | -0,86 |    |    |   |    |    |
| Rear Legs Side View   | 0,48  |    |    |   |    |    |
| Foot Angle            | 0,50  |    |    |   |    |    |
| Fore Udder Attachment | 0,27  |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    |    |
| Teat Length           | -0,20 |    |    |   |    |    |
| Rear Udder Height     | 0,57  |    |    |   |    |    |
| Rear Udder Width      | 0,58  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | -0,22 |    |    |   |    |    |
| Rump Width            | -0,34 |    |    |   |    |    |
| Rear Legs Rear View   | -0,56 |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 79,5 | <b>Frame</b> | -1,21 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 76,9 | <b>Dairy Strength</b> | -1,60 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 80,8 | <b>Feet &amp; Legs</b> | 0,84 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 79,0 | <b>Udder</b> | 0,55 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 18,7 |
|--|------------|------|

rank 300.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MATTHEW</b>    | <b>FR005996012389</b>             | <b>05.08.1996</b> | <b>MNL-010</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 13.06.2002     |
|                   |                                   | FRA               | 96100329       |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET |            | US000001858047              |
| US000002119526           | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                          |            | US000012593031              |
| <b>Dam</b>               | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE   |
| BAILEY                   |            | US000001964484              |
| US000014212115           | <b>MGD</b> | MOOD BOSSY                  |
|                          |            | US000013212360              |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>139</b> | Daug.       | <b>2705</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-569</b> |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 546.        |
| <b>52283</b>                |            |           |            | <b>-13</b>  |             | <b>-15</b> | <b>-0,29</b> | <b>SCS</b> | <b>2,80</b> |
|                             |            |           |            |             |             | <b>-2</b>  | <b>-0,04</b> | rank       | 288.        |

|                  |             |       |                 |       |            |      |      |             |             |              |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>100 / 29</b> | Daug. | <b>561</b> | 78,2 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>-0,26</b> |
|                  |             |       |                 |       |            |      |      | rank        | 555.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,96  |    |    |   |    |    |
| Angularity            | -0,22 |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | 0,39  |    |    |   |    |    |
| Foot Angle            | 0,44  |    |    |   |    |    |
| Fore Udder Attachment | 0,44  |    |    |   |    |    |
| Front Teat Placement  | 0,09  |    |    |   |    |    |
| Teat Length           | 0,83  |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | -0,76 |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | 0,58  |    |    |   |    |    |
| Rump Width            | 0,89  |    |    |   |    |    |
| Rear Legs Rear View   | -0,47 |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,1 | <b>Frame</b>           | <b>1,07</b>  |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,89</b> |
| 78,2 | <b>Feet &amp; Legs</b> | <b>-0,27</b> |
| 76,4 | <b>Udder</b>           | <b>-0,94</b> |
|      | <b>SHI</b>             | <b>-27,7</b> |
|      | rank                   | 452.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                      |                   |                |
|--------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number  | Birth date        | State Register |
| <b>BRIDGES NED SHANE</b> | <b>CA00000398221</b> | <b>05.10.1986</b> | <b>NBY-014</b> |
| Country of origin        | CA                   | <b>Breed</b>      | H100           |
| Distributor              | INSEMAS s.r.o.       | Herdbook          | HA             |
|                          |                      | Paternity         |                |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                                     | <b>PGS</b> | CA-LILL STANDOUT CAVALIER<br>US000001620273 |
| WHITTIER-FARMS NED BOY<br>US000001806201        | <b>PGD</b> | MILK-A-LONG SKOKIE DAWN<br>US000009094087   |
| <b>Dam</b>                                      | <b>MGS</b> | CARLIN-M IVANHOE BELL<br>US000001667366     |
| BRIDGES BELL MARIE STEPHANIE<br>US0000011429878 | <b>MGD</b> | BRIDGES MARS KIM MARIE<br>US0000010216287   |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>107</b> | Daug.       | <b>2107</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1703</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 813.         |
| <b>38100</b>                |            |           |            | <b>-439</b> |             | <b>-12</b> | <b>0,08</b> | <b>SCS</b> | <b>3,31</b>  |
|                             |            |           |            |             |             | <b>-12</b> | <b>0,04</b> | rank       | 924.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 16</b> | Daug. | <b>154</b> | 77,0 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-0,27</b> |
|                  |             |       |                |       |            |      |      | rank        | 556.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,06 |    |    |   |    |    |
| Angularity            | -0,35 |    |    |   |    |    |
| Chest Width           | 0,89  |    |    |   |    |    |
| Body Depth            | 0,93  |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | -0,40 |    |    |   |    |    |
| Front Teat Placement  | 0,11  |    |    |   |    |    |
| Teat Length           | 0,01  |    |    |   |    |    |
| Rear Udder Height     | -0,37 |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | -1,66 |    |    |   |    |    |
| Rump Width            | 0,84  |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | 0,04  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,48  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,6 | <b>Frame</b>           | <b>-0,31</b> |
| 75,1 | <b>Dairy Strength</b>  | <b>0,39</b>  |
| 77,7 | <b>Feet &amp; Legs</b> | <b>-0,15</b> |
| 76,9 | <b>Udder</b>           | <b>-0,22</b> |
|      | <b>SHI</b>             | <b>-62,0</b> |
|      | rank                   | 534.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                                   |                   |                |
|---------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number               | Birth date        | State Register |
| <b>DEICHVOGT-ET</b> | <b>DE00000595544</b>              | <b>01.01.2001</b> | <b>MES-007</b> |
| Country of origin   | DE                                | <b>Breed</b>      | R100           |
| Distributor         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                     |                                   | Paternity         | 28.02.2001     |
|                     |                                   | DEU               | 01/3548        |

### Pedigree

|                   |            |                                |
|-------------------|------------|--------------------------------|
| <b>Sire</b>       | <b>PGS</b> | BROOKNOOK MILESTONE-ET RED     |
| CEDARWAL DENNY-ET |            | CA000000400985                 |
| CA000006291133    | <b>PGD</b> | CEDARWAL CARY AEROSTAR         |
| MES-005           |            | CA000005704377                 |
| <b>Dam</b>        | <b>MGS</b> | FORTTRAN PODONQUE ATLAS-RED-ET |
| MYLADY 114        |            | US000001959160                 |
| DE000108067912    | <b>MGD</b> | MARYLOU 302                    |
|                   |            | DE000663022800                 |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug. | 95  | Rel.  | 93 %  | <b>SPI</b> | -1559      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>2064</b>                 |            |           |    | -214  | -11 | -0,07 | -15   | -0,19      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 780.       |
|                             |            |           |    |       |     |       |       |            | 521.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 14 | 76,8 | Rel. | 58 % | <b>TYPE</b> | -0,27 |
|                  |             |       |       |       |    |      |      |      | rank        | 557.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,20 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,21  |    |    |   |    |    |
| Body Depth            | 0,12  |    |    |   |    |    |
| Rump Angle            | -0,11 |    |    |   |    |    |
| Rear Legs Side View   | 0,31  |    |    |   |    |    |
| Foot Angle            | -0,64 |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,80  |    |    |   |    |    |
| Teat Length           | 0,40  |    |    |   |    |    |
| Rear Udder Height     | 0,07  |    |    |   |    |    |
| Rear Udder Width      | 0,47  |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | 0,51  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 76,6 | <b>Frame</b>           | -1,13 |
| 76,7 | <b>Dairy Strength</b>  | 0,27  |
| 78,2 | <b>Feet &amp; Legs</b> | -0,66 |
| 76,3 | <b>Udder</b>           | 0,42  |
|      | <b>SHI</b>             | -57,9 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>SAMORIN MICA GLEN ET</b> | <b>SK000001377853</b>             | <b>20.08.1997</b> | <b>MIC-006</b> |
| Country of origin           | SK                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 23.06.1998     |
|                             |                                   | SVK               | 0237/04        |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| CMV MICA-ET                 |            | US000001879149             |
| US000002125714              | <b>PGD</b> | BRIARPATCH-R MISTY-ET      |
|                             |            | US0000012882374            |
| <b>Dam</b>                  | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |
| PRAIRIE-BELLE LEAD, GLEE-ET |            | US000001983348             |
| US0000014761976             | <b>MGD</b> | HAYSEED ROTATE GAIETY      |
|                             |            | US0000012893091            |
|                             |            | TDN-004                    |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.       | <b>282</b> | Rel.      | <b>96 %</b> | <b>SPI</b> | <b>62</b>   |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 416.        |
| <b>4082</b>                 |            |           |           | <b>-185</b> |            | <b>10</b> | <b>0,32</b> | <b>SCS</b> | <b>2,88</b> |
|                             |            |           |           |             |            | <b>1</b>  | <b>0,14</b> | rank       | 370.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 12</b> | Daug. | <b>48</b> | 77,2 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,27</b> |
|                  |             |       |                |       |           |      |      | rank        | 558.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,30 |    |    |   |    |    |
| Body Depth            | -0,32 |    |    |   |    |    |
| Rump Angle            | -0,34 |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,59 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,41 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | 0,01  |    |    |   |    |    |
| Rump Width            | -0,88 |    |    |   |    |    |
| Rear Legs Rear View   | 0,50  |    |    |   |    |    |
| Rear Teat Placement   | -0,23 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,06 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Frame</b>           | <b>-0,59</b> |
| 76,0 | <b>Dairy Strength</b>  | <b>-0,37</b> |
| 78,1 | <b>Feet &amp; Legs</b> | <b>1,00</b>  |
| 76,0 | <b>Udder</b>           | <b>-0,64</b> |
|      | <b>SHI</b>             | <b>-9,0</b>  |
|      | rank                   | 389.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LUBOT</b>      | <b>NL000238771651</b>             | <b>14.11.1998</b> | <b>LEO-002</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.01.1999     |
|                   |                                   | NLD               | 238771651      |

### Pedigree

|                      |            |                              |
|----------------------|------------|------------------------------|
| <b>Sire</b>          | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| FRANKENHOF LUCKY LEO |            | US000001920807               |
| NL000777133097       | <b>PGD</b> | LENORA 2                     |
|                      |            | NL000509257011               |
| <b>Dam</b>           | <b>MGS</b> | DELTA CLEITUS JABOT          |
| JABOT LAURA          |            | NL000316419721               |
| NL000115467202       | <b>MGD</b> | ROK LAURA                    |
|                      |            | NL000158457347               |

|                             |            |           |           |           |           |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-----------|-----------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>43</b> | Daug.     | <b>84</b> | Rel.     | <b>93 %</b> | <b>SPI</b> | <b>709</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |           | Fat      |             | rank       | 297.        |
| <b>1775</b>                 |            |           |           | <b>28</b> |           | <b>8</b> | <b>0,12</b> | <b>SCS</b> | <b>3,64</b> |
|                             |            |           |           |           |           | <b>7</b> | <b>0,13</b> | rank       | 1175.       |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>17</b> | 76,7 | Rel. | <b>59 %</b> | <b>TYPE</b> | <b>-0,27</b> |
|                  |             |       |               |       |           |      |      | rank        | 559.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,70  |    |    |   |    |    |
| Angularity            | 0,19  |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | -0,23 |    |    |   |    |    |
| Rump Angle            | 0,23  |    |    |   |    |    |
| Rear Legs Side View   | -0,05 |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | 0,22  |    |    |   |    |    |
| Front Teat Placement  | -0,98 |    |    |   |    |    |
| Teat Length           | 0,56  |    |    |   |    |    |
| Rear Udder Height     | -0,62 |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | -0,02 |    |    |   |    |    |
| Rump Width            | 0,66  |    |    |   |    |    |
| Rear Legs Rear View   | -0,19 |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>0,72</b>  |
| 76,1 | <b>Dairy Strength</b>  | <b>0,14</b>  |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,03</b>  |
| 74,2 | <b>Udder</b>           | <b>-0,63</b> |
|      | <b>SHI</b>             | <b>10,5</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>DELTA FIDELITY</b> | <b>NL000396647605</b> | <b>11.09.2004</b> | <b>AND-004</b> |
| Country of origin     | NL                    | <b>Breed</b>      | R87,5 M12,5    |
| Distributor           | INSEMAS s.r.o.        | Herdbook          | HB             |
|                       |                       | Paternity         | 16.02.2005     |
|                       |                       | NL                | 121691         |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | ANDRIES        |
| KIAN           |            | NL000775244823 |
| NL000207288005 | <b>PGD</b> | KITTY 24       |
|                |            | NL000833237361 |
| <b>Dam</b>     | <b>MGS</b> | LIGHTNING      |
| BLES           |            | NL000170475222 |
| NL000354090045 | <b>MGD</b> | HOLLAND JALTA  |
|                |            | NL000240699512 |

|                             |            |           |   |             |           |             |          |             |            |
|-----------------------------|------------|-----------|---|-------------|-----------|-------------|----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug.       | 111       | Rel.        | 92 %     | <b>SPI</b>  | 194        |
| Number controls             |            | <b>BV</b> |   | Milk        | Fat       | %           | Prot.    | %           | rank       |
| <b>1617</b>                 |            |           |   | <b>-366</b> | <b>13</b> | <b>0,54</b> | <b>5</b> | <b>0,39</b> | <b>SCS</b> |
|                             |            |           |   |             |           |             |          |             | rank       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 1 | Daug. | 26 | 80,6 | Rel. | 64 % | <b>TYPE</b> | -0,27 |
|                  |             |       |       |       |    |      |      |      | rank        | 560.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | -0,41 |    |    |   |    |    |
| Chest Width           | 0,45  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | -0,47 |    |    |   |    |    |
| Rear Legs Side View   | -0,01 |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    |   |    |    |
| Front Teat Placement  | 0,47  |    |    |   |    |    |
| Teat Length           | -1,03 |    |    |   |    |    |
| Rear Udder Height     | -0,40 |    |    |   |    |    |
| Rear Udder Width      | 1,47  |    |    |   |    |    |
| Central Ligament      | -1,11 |    |    |   |    |    |
| Udder Depth           | -1,03 |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 1,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,29 |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,63  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,2 | <b>Frame</b>           | <b>0,41</b>  |
| 80,8 | <b>Dairy Strength</b>  | <b>-1,06</b> |
| 84,2 | <b>Feet &amp; Legs</b> | <b>0,63</b>  |
| 76,8 | <b>Udder</b>           | <b>-0,87</b> |
|      | <b>SHI</b>             | <b>-5,1</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>NORRIELAKE GARTER NILE-ET</b> | <b>US000133899795</b>             | <b>13.01.2003</b> | <b>LAB-003</b> |
| Country of origin                | US                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 09.01.2004     |
|                                  |                                   | USA               | 15598A         |

### Pedigree

|                         |            |                             |
|-------------------------|------------|-----------------------------|
| <b>Sire</b>             | <b>PGS</b> | RICKLAND LABAN PROJECTOR    |
| WELCOME GARTER-ET       |            | US000002127399              |
| US000017131025          | <b>PGD</b> | WELCOME MOUNTAIN GALE-ET    |
| LAB-002                 |            | US000015579402              |
| <b>Dam</b>              | <b>MGS</b> | SHEN-VAL NV LM FORMATION-ET |
| NORRIELAKE FARM DORA-TW |            | US000002163822 LAD-009      |
| US000122918029          | <b>MGD</b> | NORRIELAKE ELTON TAFFY-ET   |
|                         |            | US000015607362              |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug. | 88  | Rel.  | 93 %  | <b>SPI</b> | 383        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>1906</b>                 |            |           |    | 182   | -2  | -0,17 | 3     | -0,07      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 352.       |
|                             |            |           |    |       |     |       |       |            | 590.       |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 9 | Daug. | 28 | 78,5 | Rel. | 72 % | <b>TYPE</b> | -0,28 |
|                  |             |       |        |       |    |      |      |      | rank        | 561.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,56 |    |    |   |    |    |
| Angularity            | -0,06 |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | -0,00 |    |    |   |    |    |
| Rump Angle            | -0,60 |    |    |   |    |    |
| Rear Legs Side View   | -0,46 |    |    |   |    |    |
| Foot Angle            | -0,39 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -0,36 |    |    |   |    |    |
| Teat Length           | -0,62 |    |    |   |    |    |
| Rear Udder Height     | 0,50  |    |    |   |    |    |
| Rear Udder Width      | 0,91  |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | -1,42 |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,09 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,1 | <b>Frame</b>           | -0,79 |
| 79,2 | <b>Dairy Strength</b>  | 0,08  |
| 79,1 | <b>Feet &amp; Legs</b> | -0,96 |
| 77,1 | <b>Udder</b>           | 0,67  |
|      | <b>SHI</b>             | 0,4   |
|      | rank                   | 365.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MORTIMER</b>   | <b>DE00000397217</b>       | <b>03.10.1994</b> | <b>MNA-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 09.12.1994            |
|                   |                            | DEU               | 94/15497              |

### Pedigree

|                           |            |                           |
|---------------------------|------------|---------------------------|
| <b>Sire</b>               | <b>PGS</b> | LEKKER VALIANT ROYALTY    |
| BIS-MAY S-E-L MOUNTAIN-ET |            | US000001821208            |
| US000002070579            | <b>PGD</b> | BIS-MAY CHAIRMAN MERRI    |
| RAY-002                   |            | US000011633203            |
| <b>Dam</b>                | <b>MGS</b> | BIS-MAY TRADITION CLEITUS |
| LINA                      |            | US000001879085            |
| DE001020823363            | <b>MGD</b> | LISA 9                    |
|                           |            | DE001020384383            |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>111</b> | Daug.       | <b>1870</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-48</b>  |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 439.        |
| <b>35278</b>                |            |           |            | <b>42</b>   |             | <b>-4</b>  | <b>-0,11</b> | <b>SCS</b> | <b>3,26</b> |
|                             |            |           |            |             |             | <b>-0</b>  | <b>-0,04</b> | rank       | 864.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 10</b> | Daug. | <b>169</b> | 77,7 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,28</b> |
|                  |             |       |                |       |            |      |      | rank        | 562.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,33 |    |    |   |    |    |
| Angularity            | 0,32  |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | -0,74 |    |    |   |    |    |
| Front Teat Placement  | -0,72 |    |    |   |    |    |
| Teat Length           | -1,28 |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | 0,60  |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -0,91 |    |    |   |    |    |
| Rump Width            | -0,75 |    |    |   |    |    |
| Rear Legs Rear View   | -0,25 |    |    |   |    |    |
| Rear Teat Placement   | -0,06 |    |    |   |    |    |
| Locomotion            | 0,27  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,9 | <b>Frame</b>           | <b>-0,66</b> |
| 77,7 | <b>Dairy Strength</b>  | <b>0,85</b>  |
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,11</b>  |
| 76,8 | <b>Udder</b>           | <b>-0,36</b> |
|      | <b>SHI</b>             | <b>-12,7</b> |
|      | rank                   | 399.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>APINA CLOUSEAU</b> | <b>NL000298541261</b>             | <b>29.07.2001</b> | <b>ORK-002</b> |
| Country of origin     | NL                                | <b>Breed</b>      | R100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 11.10.2001     |
|                       |                                   | NL                | 68162          |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | CLARA S ORKAN RED |
| COUSIN         |            | NL000283076619    |
| DE000110199291 | <b>PGD</b> | TRAUM             |
|                |            | DE000108133359    |
| <b>Dam</b>     | <b>MGS</b> | JUBEL             |
| APINA TILLY 8  |            | DE000505893133    |
| NL000203537206 | <b>MGD</b> | APINA TILLY 1     |
|                |            | NL000173833074    |

|                             |            |           |           |             |             |             |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>71</b> | Daug.       | <b>1573</b> | Rel.        | <b>99 %</b> | <b>SPI</b> | <b>-98</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Prot.       |             | rank       | 449.        |
| <b>32283</b>                |            |           |           | <b>-375</b> | <b>8</b>    | <b>0,44</b> | <b>3</b>    | <b>SCS</b> | <b>2,92</b> |
|                             |            |           |           |             |             |             |             | rank       | 419.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>29 / 11</b> | Daug. | <b>339</b> | 78,2 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,28</b> |
|                  |             |       |                |       |            |      |      | rank        | 563.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,31  |    |    |   |    |    |
| Angularity            | -0,39 |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | 0,17  |    |    |   |    |    |
| Rear Legs Side View   | 0,09  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | -0,46 |    |    |   |    |    |
| Rear Udder Height     | -0,03 |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,44 |    |    |   |    |    |
| Rump Width            | -0,63 |    |    |   |    |    |
| Rear Legs Rear View   | 0,81  |    |    |   |    |    |
| Rear Teat Placement   | -1,33 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 0,30  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,4 | <b>Frame</b>           | <b>0,29</b>  |
| 78,9 | <b>Dairy Strength</b>  | <b>-0,85</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>-0,39</b> |
| 75,5 | <b>Udder</b>           | <b>-0,33</b> |
|      | <b>SHI</b>             | <b>-14,3</b> |
|      | rank                   | 408.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>VAJHATI ZOLYOM LANTZ-ET</b> | <b>HU003220120226</b> | <b>24.06.2000</b> | <b>LU-020</b>  |
| Country of origin              | HU                    | <b>Breed</b>      | H100           |
| Distributor                    | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                |                       | Paternity         | 30.01.2001     |
|                                |                       | HUN               | 24451/01       |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| RICECREST LANTZ-ET            |            | US000002071864               |
| US000002266008                |            | CLE-005                      |
| LU-011                        | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET  |
|                               |            | US000014334791               |
| <b>Dam</b>                    | <b>MGS</b> | SHEN-VAL NV LM FORMATION-ET  |
| HUN-VAJHATI FORMATION-BABA-ET |            | US000002163822               |
| HU003025951584                |            | LAD-009                      |
|                               | <b>MGD</b> | FURO-WAY BELLWOOD BABE-ET    |
|                               |            | US000015965733               |

|                             |            |           |    |       |     |      |       |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 109 | Rel. | 94 %  | <b>SPI</b> | 263  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 377. |
| 2217                        |            |           |    | 149   |     | -4   | -0,18 | <b>SCS</b> | 2,91 |
|                             |            |           |    |       |     |      |       | rank       | 407. |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 6 | Daug. | 30 | 78,1 | Rel. | 72 % | <b>TYPE</b> | -0,30 |
|                  |             |       |        |       |    |      |      | rank | 564.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | 0,10  |    |    |   |    |    |
| Chest Width           | 0,42  |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | -0,86 |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | 0,16  |    |    |   |    |    |
| Teat Length           | 0,53  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | 0,00  |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | 0,08  |    |    |   |    |    |
| Rump Width            | -0,43 |    |    |   |    |    |
| Rear Legs Rear View   | -0,25 |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | -0,63 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,7 | <b>Frame</b>           | -0,08 |
| 79,2 | <b>Dairy Strength</b>  | 0,66  |
| 77,5 | <b>Feet &amp; Legs</b> | -1,16 |
| 76,1 | <b>Udder</b>           | -0,03 |
|      | <b>SHI</b>             | -4,0  |
|      | rank                   | 378.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>LARELL-ET</b>  | <b>DE000578467783</b>             | <b>20.02.1999</b> | <b>LED-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 20.04.1999            |
|                   |                                   | DEU               | 99/5935               |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | WEATHERVU HARRY-ET          |
| CHAPEL-BANK LAREDO RED |            | US000002044778              |
| US000002199279         | <b>PGD</b> | CHAPEL-BANK INSP LYN-RED-ET |
|                        |            | US000014014011              |
| <b>Dam</b>             | <b>MGS</b> | KOERIER 104                 |
| MORELLE                |            | NL000461733916              |
| DE000576505989         | <b>MGD</b> | MILKA                       |
|                        |            | DE000576249207              |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.       | <b>125</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1914</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 858.         |
| <b>2625</b>                 |            |           |           | <b>-431</b> |            | <b>-6</b>  | <b>0,20</b>  | <b>SCS</b> | <b>2,89</b>  |
|                             |            |           |           |             |            | <b>-18</b> | <b>-0,11</b> | rank       | 381.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>20</b> | 76,7 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>-0,30</b> |
|                  |             |       |              |       |           |      |      | rank        | 565.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | 0,30  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | -0,40 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,32  |    |    |   |    |    |
| Fore Udder Attachment | -0,47 |    |    |   |    |    |
| Front Teat Placement  | -0,84 |    |    |   |    |    |
| Teat Length           | 0,65  |    |    |   |    |    |
| Rear Udder Height     | -0,39 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | -0,59 |    |    |   |    |    |
| Udder Depth           | -1,11 |    |    |   |    |    |
| Rump Width            | -0,81 |    |    |   |    |    |
| Rear Legs Rear View   | -0,77 |    |    |   |    |    |
| Rear Teat Placement   | -0,91 |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,0 | <b>Frame</b>           | <b>-0,20</b> |
| 77,0 | <b>Dairy Strength</b>  | <b>0,54</b>  |
| 78,6 | <b>Feet &amp; Legs</b> | <b>-0,14</b> |
| 74,6 | <b>Udder</b>           | <b>-0,66</b> |
|      | <b>SHI</b>             | <b>-69,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CALM-ET</b>    | <b>DE001020752241</b>             | <b>02.05.1989</b> | <b>CLE-008</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.07.1989     |
|                   |                                   | DEU               | 89/8360        |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS |            | US000001682485          |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                   |            | US000010192628          |
| <b>Dam</b>                | <b>MGS</b> | S-W-D VALIANT           |
| FRAUKE                    |            | US000001650414          |
| DE001020066939            | <b>MGD</b> | FRITZI 02               |
|                           |            | DE001008503545          |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 57 | Daug. | 693 | Rel. | 99 % | <b>SPI</b> | -2721 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>13094</b>                |            |           |    | -757  |     | -11  | 0,38 | -21        | 0,05  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,02  |
|                             |            |           |    |       |     |      |      | rank       | 565.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 5 | Daug. | 28 | 76,3 | Rel. | 75 % | <b>TYPE</b> | -0,31 |
|                  |             |       |       |       |    |      |      |      | rank        | 566.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,57 |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | 0,44  |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,21  |    |    |   |    |    |
| Front Teat Placement  | -0,90 |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | -0,05 |    |    |   |    |    |
| Central Ligament      | -0,23 |    |    |   |    |    |
| Udder Depth           | -0,17 |    |    |   |    |    |
| Rump Width            | 0,25  |    |    |   |    |    |
| Rear Legs Rear View   | 0,92  |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,4 | <b>Frame</b>           | -0,52 |
| 74,1 | <b>Dairy Strength</b>  | 0,67  |
| 77,4 | <b>Feet &amp; Legs</b> | 0,48  |
| 76,4 | <b>Udder</b>           | -0,78 |
|      | <b>SHI</b>             | -94,5 |
|      | rank                   | 597.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |              |                |
|---------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date   | State Register |
| <b>SEABREEZE GOLDSTAR</b> | <b>NL000462262086</b> | 26.04.1990   | <b>BS-011</b>  |
| Country of origin         |                       | <b>Breed</b> | H100           |
| Distributor               |                       | Herdbook     | HA             |
|                           |                       | Paternity    |                |

### Pedigree

|                               |            |                          |
|-------------------------------|------------|--------------------------|
| <b>Sire</b>                   | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET           |            | US000001723741           |
| US000001929410                | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                       |            | US000009804790           |
| <b>Dam</b>                    | <b>MGS</b> | BROWNCROFT JETSON        |
| LYLEHAVEN JETSON,SEABREEZE-ET |            | US000001721509           |
| US000012653731                | <b>MGD</b> | HYALITE VALIANT,SUNSHINE |
|                               |            | US000010715535           |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 248 | Rel. | 97 %  | <b>SPI</b> | -1457 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| <b>5015</b>                 |            |           |    | -251  |     | -11  | -0,05 | -12        | -0,11 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 2,60  |
|                             |            |           |    |       |     |      |       | rank       | 124.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 5 | Daug. | 11 | 77,4 | Rel. | 53 % | <b>TYPE</b> | -0,31 |
|                  |             |       |       |       |    |      |      |      | rank        | 567.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,00 |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | -0,92 |    |    |   |    |    |
| Body Depth            | -0,61 |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | -0,38 |    |    |   |    |    |
| Fore Udder Attachment | 0,17  |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | -0,97 |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | 0,56  |    |    |   |    |    |
| Udder Depth           | 0,67  |    |    |   |    |    |
| Rump Width            | -0,29 |    |    |   |    |    |
| Rear Legs Rear View   | -0,78 |    |    |   |    |    |
| Rear Teat Placement   | 0,41  |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,2 | <b>Frame</b>           | -0,83 |
| 74,4 | <b>Dairy Strength</b>  | -0,28 |
| 79,5 | <b>Feet &amp; Legs</b> | -0,74 |
| 78,1 | <b>Udder</b>           | 0,52  |
|      | <b>SHI</b>             | -56,5 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                            |                   |                       |
|--------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>WELLS CATALYST-ET</b> | <b>US000002193611</b>      | <b>20.06.1991</b> | <b>BEL-018</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 07.09.1992 |
|                   |                                   | USA          | IG174385D  |

### Pedigree

|                             |            |                                |
|-----------------------------|------------|--------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CARLIN-M IVANHOE BELL          |
| SOUTHWIND BELL OF BAR-LEE   |            | US000001667366                 |
| US000001964484              | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET     |
| BEL-001                     |            | US000011489023                 |
| <b>Dam</b>                  | <b>MGS</b> | ARLINDA MELWOOD-ET             |
| BARN-AIRES VAL-MEL CAROL-ET |            | US000001879149                 |
| US000013757685              | <b>MGD</b> | THREE-BS VALIANT BELL CATHY-ET |
|                             |            | US000012992112                 |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.      | <b>97</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>1419</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       | %            | rank       | 166.        |
| <b>2082</b>                 |            |           |           | <b>363</b> |           | <b>10</b> | <b>-0,08</b> | <b>SCS</b> | <b>3,52</b> |
|                             |            |           |           |            |           | <b>10</b> | <b>-0,03</b> | rank       | 1124.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 13</b> | Daug. | <b>33</b> | 77,1 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>-0,32</b> |
|                  |             |       |                |       |           |      |      | rank        | 568.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | -1,00 |    |    |   |    |    |
| Chest Width           | 0,58  |    |    |   |    |    |
| Body Depth            | 0,63  |    |    |   |    |    |
| Rump Angle            | 0,43  |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,09  |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    |    |   |    |    |
| Teat Length           | 0,04  |    |    |   |    |    |
| Rear Udder Height     | -0,83 |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | -0,08 |    |    |   |    |    |
| Rear Legs Rear View   | 0,50  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,2 | <b>Frame</b> | <b>0,68</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 74,9 | <b>Dairy Strength</b> | <b>-1,41</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,2 | <b>Feet &amp; Legs</b> | <b>0,87</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,1 | <b>Udder</b> | <b>-0,87</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>30,1</b> |
|--|------------|-------------|

rank 253.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>CERNOV IBIS-ET</b>    | <b>CZ000183484061</b>                    | <b>29.09.2004</b> | <b>MED-006</b>        |
| <b>Country of origin</b> | <b>CZ</b>                                | <b>Breed</b>      | <b>H100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>11.07.2005</b>     |
|                          |  | <b>CSK</b>        | <b>0402326</b>        |

### Pedigree

**Sire** **PGS** HA-HO CUBBY MANFRED-ET  
O-BEE MANFRED JUSTICE-ET  
US000122358313  
MED-012

**PGD** MEIER-MEADOWS EL JEZEBEL-ET  
US000015459080

**Dam** **MGS** RICECREST MARSHALL-ET  
US000002297473  
MNL-007

**MGD** PEN COL MATTIE CRISSY-ET  
US000123952529

|                             |                   |              |            |              |              |              |             |             |             |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>73</b>  | <b>Daug.</b> | <b>995</b>   | <b>Rel.</b>  | <b>99 %</b> | <b>SPI</b>  | <b>2328</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> |             | <b>72.</b>  |
| <b>18230</b>                |                   | <b>631</b>   | <b>11</b>  | <b>-0,23</b> | <b>18</b>    | <b>-0,04</b> | <b>SCS</b>  | <b>3,32</b> | <b>rank</b> |
|                             |                   |              |            |              |              |              |             |             | <b>941.</b> |

|                  |                    |              |                |              |            |             |             |             |             |              |
|------------------|--------------------|--------------|----------------|--------------|------------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>39 / 19</b> | <b>Daug.</b> | <b>138</b> | <b>79,1</b> | <b>Rel.</b> | <b>91 %</b> | <b>TYPE</b> | <b>-0,32</b> |
|                  |                    |              |                |              |            |             |             |             | <b>rank</b> | <b>569.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | -0,68 |    |    |   |    |    |
| Chest Width           | 0,59  |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | -0,88 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,53  |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | 1,11  |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | -0,61 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | 0,00  |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | 0,12  |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | 0,33  |    |    |   |    |    |
| Body Condition        | 0,35  |    |    |   |    |    |

daught. average

**82,8** **Frame** **0,10**

**79,3** **Dairy Strength** **-1,14**

**81,4** **Feet & Legs** **1,42**

**76,1** **Udder** **-0,98**

**SHI** **57,5**

**rank** **185.**

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>GIBBON</b>     | <b>FR002991000305</b>             | 27.08.1991   | <b>BEL-019</b> |
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 12.08.1996     |
|                   |                                   | FRA          | GS482015       |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL      |
| SOUTHWIND BELL OF BAR-LEE |            | US000001667366             |
| US000001964484            | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET |
| BEL-001                   |            | US000011489023             |
| <b>Dam</b>                | <b>MGS</b> | BIT-O-WIND STARWAR         |
| COLOMBE                   |            | US000001811374             |
| FR002987038678            | <b>MGD</b> | UGUETTECIA                 |
|                           |            | FR002983040876             |

|                             |            |           |    |            |    |           |              |            |             |
|-----------------------------|------------|-----------|----|------------|----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 17 | Daug.      | 67 | Rel.      | 93 %         | <b>SPI</b> | 1955        |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %            | rank       | 108.        |
| <b>1450</b>                 |            |           |    | <b>420</b> |    | <b>11</b> | <b>-0,10</b> | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |    |            |    |           |              | rank       | 486.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 8 | Daug. | 41 | 77,0 | Rel. | 82 % | <b>TYPE</b> | -0,32 |
|                  |             |       |        |       |    |      |      | rank | 570.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | -0,29 |    |    |   |    |    |
| Chest Width           | 0,03  |    |    |   |    |    |
| Body Depth            | 0,48  |    |    |   |    |    |
| Rump Angle            | -0,18 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | -0,58 |    |    |   |    |    |
| Teat Length           | -1,12 |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | -0,29 |    |    |   |    |    |
| Rump Width            | -0,13 |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | -0,86 |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

80,3 **Frame** **0,77**

75,7 **Dairy Strength** **-0,32**

76,5 **Feet & Legs** **-0,76**

76,1 **Udder** **-0,87**

**SHI** **46,0**

rank 214.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                      |
|-------------------|-----------------------------------|-------------------|----------------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register       |
| <b>FERRES</b>     | <b>NL000345436711</b>             | <b>08.03.2002</b> | <b>FIS-003</b>       |
| Country of origin | Breed                             |                   | R100                 |
| NL                | Herdbook                          |                   | HA                   |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. |                   | Paternity 30.05.2002 |
|                   | DEU                               |                   | 02/5623              |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | CLARA S ORKAN RED |
| CBU FERDINAND  |            | NL000283076619    |
| NL000136769244 | <b>PGD</b> | FELITIA           |
|                |            | NL000785542535    |
| <b>Dam</b>     | <b>MGS</b> | BASAR             |
| MASSIA 60      |            | DE001011164690    |
| NL000247940075 | <b>MGD</b> | MASSIA 13         |
|                |            | NL000863859227    |

|                             |            |           |      |       |      |       |      |            |       |
|-----------------------------|------------|-----------|------|-------|------|-------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35   | Daug. | 127  | Rel.  | 94 % | <b>SPI</b> | -528  |
| Number controls             |            | <b>BV</b> | Milk | Fat   | %    | Prot. | %    | rank       | 538.  |
| 2456                        |            |           | -159 | -5    | 0,00 | -3    | 0,05 | <b>SCS</b> | 3,56  |
|                             |            |           |      |       |      |       |      | rank       | 1134. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 14 | 76,8 | Rel. | 53 % | <b>TYPE</b> | -0,33 |
|                  |             |       |       |       |    |      |      | rank | 571.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,51 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,96  |    |    |   |    |    |
| Rear Legs Side View   | 0,58  |    |    |   |    |    |
| Foot Angle            | -0,67 |    |    |   |    |    |
| Fore Udder Attachment | -0,77 |    |    |   |    |    |
| Front Teat Placement  | -0,13 |    |    |   |    |    |
| Teat Length           | 0,45  |    |    |   |    |    |
| Rear Udder Height     | -0,39 |    |    |   |    |    |
| Rear Udder Width      | 0,88  |    |    |   |    |    |
| Central Ligament      | 0,34  |    |    |   |    |    |
| Udder Depth           | -1,73 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,19 |    |    |   |    |    |
| Rear Teat Placement   | -0,78 |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,3 | <b>Frame</b>           | -0,13 |
| 78,2 | <b>Dairy Strength</b>  | -0,05 |
| 76,2 | <b>Feet &amp; Legs</b> | -0,53 |
| 75,6 | <b>Udder</b>           | -0,32 |
|      | <b>SHI</b>             | -29,0 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>GORBY</b>      | <b>CZ000134204284</b>             | <b>04.07.2002</b> | <b>MNL-016</b> |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 31.07.2003     |
|                   |                                   | CSK               | 0301126        |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET    |            | US000002119526              |
| US000002297473           | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007                  |            | US000014334791              |
| <b>Dam</b>               | <b>MGS</b> | EASTVIEW INFLUENCE MATTIE G |
| PEN COL MATTIE CRISSY-ET |            | US000002203306              |
| US000123952529           | <b>MGD</b> | PEN COL DUSTER CONNIE-ET    |
|                          |            | US000017292143              |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 231 | Rel. | 97 %  | <b>SPI</b> | -1463 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 4682                        |            |           |    | -290  |     | -17  | -0,13 | -9         | -0,01 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,45  |
|                             |            |           |    |       |     |      |       | rank       | 1069. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 23 / 13 | Daug. | 123 | 78,3 | Rel. | 90 % | <b>TYPE</b> | -0,33 |
|                  |             |       |         |       |     |      |      |      | rank        | 572.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,15 |    |    |   |    |    |
| Angularity            | -0,58 |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | -0,68 |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | 0,02  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | -0,86 |    |    |   |    |    |
| Teat Length           | 0,94  |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | 0,30  |    |    |   |    |    |
| Central Ligament      | 0,90  |    |    |   |    |    |
| Udder Depth           | -0,83 |    |    |   |    |    |
| Rump Width            | -0,75 |    |    |   |    |    |
| Rear Legs Rear View   | -0,22 |    |    |   |    |    |
| Rear Teat Placement   | -0,32 |    |    |   |    |    |
| Locomotion            | 0,56  |    |    |   |    |    |
| Body Condition        | 0,09  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,5 | <b>Frame</b>           | -0,46 |
| 77,8 | <b>Dairy Strength</b>  | -1,68 |
| 79,3 | <b>Feet &amp; Legs</b> | 0,90  |
| 76,9 | <b>Udder</b>           | 0,11  |
|      | <b>SHI</b>             | -57,2 |
|      | rank                   | 526.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>TOPSPEED MATADOR</b> | <b>NL000240536815</b>             | <b>21.01.1999</b> | <b>MOC-001</b> |
| Country of origin       | NL                                | <b>Breed</b>      | R100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 03.03.2000     |
|                         |                                   | NLD               | 240536815      |

### Pedigree

|                           |            |                     |
|---------------------------|------------|---------------------|
| <b>Sire</b>               | <b>PGS</b> | MARTY RED-ET        |
| MONACO                    |            | NL000959580420      |
| NL000129994389            | <b>PGD</b> | CRYSTAL ROO 124     |
|                           |            | NL000135505717      |
| <b>Dam</b>                | <b>MGS</b> | ETAZON LORD LILY-ET |
| HOOKWOOD TOPSPEED SIENTJE |            | NL000780180664      |
| NL000194119793            | <b>MGD</b> | HOOKWOOD SIENTJE 67 |
|                           |            | NL000783703813      |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 101 | Rel. | 93 %  | <b>SPI</b> | -2678      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1860</b>                 |            |           |    | -750  | -12 | 0,35 | -20   | 0,07       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1016.      |
|                             |            |           |    |       |     |      |       |            | 408.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 10 | 76,7 | Rel. | 45 % | <b>TYPE</b> | -0,34 |
|                  |             |       |       |       |    |      |      |      | rank        | 573.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,39 |    |    | ■ |    |    |
| Angularity            | -0,35 |    |    | ■ |    |    |
| Chest Width           | 0,47  |    |    |   | ■  |    |
| Body Depth            | 0,63  |    |    |   | ■  |    |
| Rump Angle            | -0,17 |    |    | ■ |    |    |
| Rear Legs Side View   | -0,17 |    |    | ■ |    |    |
| Foot Angle            | -0,36 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,17 |    |    | ■ |    |    |
| Front Teat Placement  | -0,12 |    |    | ■ |    |    |
| Teat Length           | 0,30  |    |    |   | ■  |    |
| Rear Udder Height     | -0,50 |    |    | ■ |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,62 |    |    | ■ |    |    |
| Udder Depth           | -0,68 |    |    | ■ |    |    |
| Rump Width            | -0,42 |    |    | ■ |    |    |
| Rear Legs Rear View   | 0,54  |    |    |   | ■  |    |
| Rear Teat Placement   | -0,00 |    |    |   |    |    |
| Locomotion            | 0,37  |    |    |   | ■  |    |
| Body Condition        | 0,51  |    |    |   | ■  |    |

daught. average

79,3 **Frame** -0,04

77,1 **Dairy Strength** 0,09

76,9 **Feet & Legs** 0,08

74,9 **Udder** -0,80

**SHI** -94,2

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>KOLLO-ET</b>   | <b>DE000577788825</b>             | <b>05.08.1997</b> | <b>KOD-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.11.1997     |
|                   |                                   | DEU               | 97/14221       |

### Pedigree

|                     |            |                       |
|---------------------|------------|-----------------------|
| <b>Sire</b>         | <b>PGS</b> | KINGLEA LEADER        |
| KOMMANDEUR LEADER 1 |            | US000001926780        |
| NL000775157228      | <b>PGD</b> | MINA 648              |
|                     |            | NL000512249355        |
| <b>Dam</b>          | <b>MGS</b> | MEADOLAKE JUBILANT-ET |
| ASTRA               |            | CA000000376455        |
| DE001012209974      | <b>MGD</b> | AUSTRIA               |
|                     |            | DE001002312201        |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>24</b> | Daug.       | <b>281</b> | Rel.        | <b>97 %</b> | <b>SPI</b> | <b>-2095</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank       | 894.         |
| <b>5565</b>                 |            |           |           | <b>-707</b> | <b>-15</b> | <b>0,25</b> | <b>-11</b>  | <b>SCS</b> | <b>3,70</b>  |
|                             |            |           |           |             |            |             |             | rank       | 1198.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>14</b> | 78,6 | Rel. | <b>62 %</b> | <b>TYPE</b> | <b>-0,35</b> |
|                  |             |       |              |       |           |      |      | rank        | 574.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,06 |    |    |   |    |    |
| Angularity            | -0,56 |    |    |   |    |    |
| Chest Width           | 0,21  |    |    |   |    |    |
| Body Depth            | 0,48  |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | -0,63 |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | 0,65  |    |    |   |    |    |
| Rear Udder Height     | 0,03  |    |    |   |    |    |
| Rear Udder Width      | 0,52  |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -1,09 |    |    |   |    |    |
| Rump Width            | 0,58  |    |    |   |    |    |
| Rear Legs Rear View   | 1,04  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,30  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,1 | <b>Frame</b>           | <b>0,37</b>  |
| 78,4 | <b>Dairy Strength</b>  | <b>-0,59</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>-0,21</b> |
| 75,2 | <b>Udder</b>           | <b>-0,41</b> |
|      | <b>SHI</b>             | <b>-77,0</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>HEIHOEVE DELTA FLINT</b> | <b>NL000262338769</b>             | <b>16.01.2000</b> | <b>CES-009</b> |
| Country of origin           | NL                                | <b>Breed</b>      | R100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 10.01.2003     |
|                             |                                   | NL                | 52412          |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA TORERO              |
| PEELFARM RENS  |            | NL000144728347            |
| NL000202675745 | <b>PGD</b> | PEELFARM GRIETJE 54       |
|                |            | NL000112905778            |
| <b>Dam</b>     | <b>MGS</b> | SPEKTRUM PIGEONWOOD 2-RED |
| GUSTI 42       |            | NL000793715518            |
| NL000198933717 | <b>MGD</b> | GUSTI 18                  |
|                |            | NL000808344016            |

|                             |            |           |           |             |             |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>60</b> | Daug.       | <b>1441</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-221</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat       | %           | Prot.      | %           |
| <b>30701</b>                |            |           |           | <b>-512</b> |             | <b>23</b> | <b>0,87</b> | <b>-2</b>  | <b>0,33</b> |
|                             |            |           |           |             |             |           |             | <b>SCS</b> | <b>3,11</b> |
|                             |            |           |           |             |             |           |             | rank       | 472.        |
|                             |            |           |           |             |             |           |             | rank       | 676.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 8</b> | Daug. | <b>211</b> | 77,7 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,35</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 575.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,07  |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,38 |    |    |   |    |    |
| Rump Angle            | -0,38 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | 0,75  |    |    |   |    |    |
| Fore Udder Attachment | 0,68  |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,32 |    |    |   |    |    |
| Rear Udder Width      | -0,32 |    |    |   |    |    |
| Central Ligament      | -0,99 |    |    |   |    |    |
| Udder Depth           | 0,16  |    |    |   |    |    |
| Rump Width            | -1,17 |    |    |   |    |    |
| Rear Legs Rear View   | -0,97 |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>-0,54</b> |
| 78,4 | <b>Dairy Strength</b>  | <b>-1,33</b> |
| 79,4 | <b>Feet &amp; Legs</b> | <b>1,29</b>  |
| 75,0 | <b>Udder</b>           | <b>-0,30</b> |
|      | <b>SHI</b>             | <b>-20,6</b> |
|      | rank                   | 429.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>QUIETCOVE FREDERICK-ET</b> | <b>US000002121166</b> | <b>28.10.1989</b> | <b>PTC-009</b> |
| Country of origin             | US                    | <b>Breed</b>      | H100           |
| Distributor                   |                       | Herdbook          | HA             |
|                               |                       | Paternity         |                |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL   |
| ART ACRES BELL PONTIAC-ET |            | US000001667366          |
| US000001878472            | <b>PGD</b> | ART-ACRES ELEVATION KAY |
| PTC-001                   |            | US000008733981          |
| <b>Dam</b>                | <b>MGS</b> | S-W-D VALIANT           |
| QUIETCOVE VALIANT FAWN    |            | US000001650414          |
| US0000011649988           | <b>MGD</b> | QUIETCOVE PETE FRESCA   |
|                           |            | US0000010449277         |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>24</b> | Daug.       | <b>292</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-3176</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1110.        |
| <b>5543</b>                 |            |           |           | <b>-716</b> |            | <b>-20</b> | <b>0,15</b>  | <b>SCS</b> | <b>2,90</b>  |
|                             |            |           |           |             |            | <b>-25</b> | <b>-0,09</b> | rank       | 396.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 5</b> | Daug. | <b>20</b> | 76,6 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>-0,35</b> |
|                  |             |       |              |       |           |      |      | rank        | 576.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | -0,12 |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | 0,22  |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,23  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | 0,76  |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,15 |    |    |   |    |    |
| Udder Depth           | 0,03  |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | 0,03  |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | -0,40 |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

80,8 **Frame** **-0,24**

72,3 **Dairy Strength** **-0,50**

77,5 **Feet & Legs** **-0,24**

76,4 **Udder** **0,16**

**SHI** **-109,9**

rank 614.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CALL</b>       | <b>DE000112627703</b>             | <b>13.12.1999</b> | <b>CAL-008</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 11.10.2005     |
|                   |                                   | CSK               | 0500383        |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | STRICKLER ROYALTY CADILLAC-ET |
| CARED          |            | US000002046246                |
| DE000730209621 | <b>PGD</b> | RED-SUN 683                   |
|                |            | DE000724049317                |
| <b>Dam</b>     | <b>MGS</b> | BROOKNOOK MILESTONE-ET RED    |
| UNETTE         |            | CA000000400985                |
| DE000102854721 | <b>MGD</b> | NINETTE                       |
|                |            | DE000109887428                |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>80</b> | Daug.       | <b>887</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-2277</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 930.         |
| <b>17913</b>                |            |           |           | <b>-590</b> |            | <b>-1</b> | <b>0,25</b> | <b>SCS</b> | <b>2,68</b>  |
|                             |            |           |           |             |            |           |             | rank       | 163.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 6</b> | Daug. | <b>38</b> | 77,9 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-0,35</b> |
|                  |             |       |              |       |           |      |      | rank        | 577.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | -0,14 |    |    |   |    |    |
| Chest Width           | -0,61 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | -0,32 |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | -0,35 |    |    |   |    |    |
| Teat Length           | 0,11  |    |    |   |    |    |
| Rear Udder Height     | 0,40  |    |    |   |    |    |
| Rear Udder Width      | 0,43  |    |    |   |    |    |
| Central Ligament      | -0,31 |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | -0,20 |    |    |   |    |    |
| Rear Legs Rear View   | 0,36  |    |    |   |    |    |
| Rear Teat Placement   | -0,78 |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | -0,06 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,31</b> |
| 77,8 | <b>Dairy Strength</b>  | <b>-0,94</b> |
| 78,1 | <b>Feet &amp; Legs</b> | <b>-1,28</b> |
| 76,7 | <b>Udder</b>           | <b>0,37</b>  |
|      | <b>SHI</b>             | <b>-82,8</b> |
|      | rank                   | 577.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>RAPIDO</b>            | <b>DE000533447297</b>             | <b>14.12.2001</b> | <b>MOR-013</b>        |
| <b>Country of origin</b> | <b>Distributor</b>                | <b>Breed</b>      | <b>R100</b>           |
| DE                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | R100              |                       |
|                          |                                   | <b>Herdbook</b>   | <b>HA</b>             |
|                          |                                   | <b>Paternity</b>  | <b>05.02.2002</b>     |
|                          |                                   | <b>DEU</b>        | <b>02/2120</b>        |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | MR HURL-THREE MOMENTUM RED-ET |
| RAINBOW-ET     |            | US000002041332                |
| US000002260994 | <b>PGD</b> | MISS RAINBOW LMAN 616-ET      |
|                |            | US000014373103                |
| <b>Dam</b>     | <b>MGS</b> | NORRIELAKE CLEITUS LUKE-TWIN  |
| MY-LIFE 128    |            | US000002071864                |
| DE000731196823 | <b>MGD</b> | MYLADY 1                      |
|                |            | DE001014065357                |

|                             |            |              |    |             |    |            |      |            |           |
|-----------------------------|------------|--------------|----|-------------|----|------------|------|------------|-----------|
| <b>Milk production data</b> | SK 10/2017 | Herds        | 35 | Daug.       | 99 | Rel.       | 92 % | <b>SPI</b> | -1995     |
| Number controls             |            | <b>BV</b>    |    | <b>Milk</b> |    | <b>Fat</b> |      | <b>%</b>   |           |
| 2038                        |            |              |    | -522        |    | -12        |      | 0,15       |           |
|                             |            | <b>Prot.</b> |    |             |    | <b>%</b>   |      | <b>SCS</b> | 2,71      |
|                             |            |              |    |             |    |            |      |            | rank 190. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 5 | Daug. | 13 | 76,8 | Rel. | 53 % | <b>TYPE</b> | -0,36 |
|                  |             |       |       |       |    |      |      |      | rank        | 578.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,17 |    |    |   |    |    |
| Angularity            | -0,69 |    |    |   |    |    |
| Chest Width           | 0,58  |    |    |   |    |    |
| Body Depth            | 1,21  |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | 0,72  |    |    |   |    |    |
| Fore Udder Attachment | -0,04 |    |    |   |    |    |
| Front Teat Placement  | 0,07  |    |    |   |    |    |
| Teat Length           | -0,97 |    |    |   |    |    |
| Rear Udder Height     | -0,96 |    |    |   |    |    |
| Rear Udder Width      | -0,30 |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | 0,13  |    |    |   |    |    |
| Rump Width            | 0,34  |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | 0,51  |    |    |   |    |    |
| Locomotion            | -0,35 |    |    |   |    |    |
| Body Condition        | 0,92  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,5 | <b>Frame</b>           | <b>0,28</b>  |
| 77,2 | <b>Dairy Strength</b>  | <b>-0,25</b> |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,44</b>  |
| 73,8 | <b>Udder</b>           | <b>-1,05</b> |
|      | <b>SHI</b>             | <b>-74,4</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>GLEN-TOCTIN SLOCUM</b> | <b>US000002097322</b>             | <b>22.12.1988</b> | <b>CLE-015</b> |
| Country of origin         | US                                | <b>Breed</b>      | H100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 29.09.1989     |
|                           |                                   | USA               | IG129708A      |

### Pedigree

|                           |            |                                |
|---------------------------|------------|--------------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION          |
| BIS-MAY TRADITION CLEITUS |            | US000001682485                 |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL        |
| CLE-003                   |            | US000010192628                 |
| <b>Dam</b>                | <b>MGS</b> | WALKWAY CHIEF MARK             |
| GLEN-TOCTIN MARK SAGE     |            | US000001773417                 |
| US000012631699            | <b>MGD</b> | GLEN-TOCTIN DELGATE SCARLET-ET |
|                           |            | US000011658911                 |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>111</b> | Rel.       | <b>95 %</b>  | <b>SPI</b> | <b>-1264</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 707.         |
| <b>2140</b>                 |            |           |           | <b>-103</b> |            | <b>-11</b> | <b>-0,14</b> | <b>SCS</b> | <b>3,65</b>  |
|                             |            |           |           |             |            | <b>-13</b> | <b>-0,22</b> | rank       | 1183.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 12</b> | Daug. | <b>37</b> | 77,9 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>-0,36</b> |
|                  |             |       |                |       |           |      |      | rank        | 579.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    | ■ |    |    |
| Angularity            | 0,27  |    |    | ■ |    |    |
| Chest Width           | -0,20 |    |    | ■ |    |    |
| Body Depth            | -0,26 |    |    | ■ |    |    |
| Rump Angle            | 0,44  |    |    | ■ |    |    |
| Rear Legs Side View   | 0,15  |    |    | ■ |    |    |
| Foot Angle            | -0,15 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,30 |    |    | ■ |    |    |
| Front Teat Placement  | 0,45  |    |    | ■ |    |    |
| Teat Length           | -0,65 |    |    | ■ |    |    |
| Rear Udder Height     | 0,25  |    |    | ■ |    |    |
| Rear Udder Width      | -0,16 |    |    | ■ |    |    |
| Central Ligament      | -0,06 |    |    | ■ |    |    |
| Udder Depth           | 0,43  |    |    | ■ |    |    |
| Rump Width            | -0,19 |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,04 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,86  |    |    | ■ |    |    |
| Locomotion            | -0,13 |    |    | ■ |    |    |
| Body Condition        | -0,37 |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,2 | <b>Frame</b>           | <b>-0,51</b> |
| 76,2 | <b>Dairy Strength</b>  | <b>0,62</b>  |
| 78,2 | <b>Feet &amp; Legs</b> | <b>-0,29</b> |
| 78,0 | <b>Udder</b>           | <b>-0,20</b> |
|      | <b>SHI</b>             | <b>-52,5</b> |
|      | rank                   | 512.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>CEDARWAL DENNY-ET</b> | <b>CA00000592325</b>              | <b>01.01.1995</b> | <b>MES-005</b> |
| Country of origin        | CA                                | <b>Breed</b>      | R100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 02.05.1995     |
|                          |                                   | CAN               | 347919         |

### Pedigree

|                            |            |                          |
|----------------------------|------------|--------------------------|
| <b>Sire</b>                | <b>PGS</b> | GLENAFTON ENHANCER       |
| BROOKNOOK MILESTONE-ET RED |            | CA000000343514           |
| CA000000400985             | <b>PGD</b> | BROOKNOOK MILESTONE DEE  |
|                            |            | CA000003954472           |
| <b>Dam</b>                 | <b>MGS</b> | MADAWASKA AEROSTAR       |
| CEDARWAL CARY AEROSTAR     |            | CA000000383622           |
| CA000005704377             | <b>MGD</b> | CEDARWAL CARY INSPIR RED |
|                            |            | CA000004497610           |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>200</b> | Daug.      | <b>2397</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-782</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |              | rank       | 595.        |
| <b>49427</b>                |            |           |            | <b>-43</b> |             | <b>-7</b> | <b>-0,11</b> | <b>SCS</b> | <b>3,17</b> |
|                             |            |           |            |            |             | <b>-8</b> | <b>-0,16</b> | rank       | 752.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 11</b> | Daug. | <b>112</b> | 75,8 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,36</b> |
|                  |             |       |                |       |            |      |      | rank        | 580.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,75 |    |    |   |    |    |
| Angularity            | 0,47  |    |    |   |    |    |
| Chest Width           | -0,55 |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | 0,76  |    |    |   |    |    |
| Rear Legs Side View   | 0,48  |    |    |   |    |    |
| Foot Angle            | -1,12 |    |    |   |    |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | 0,40  |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | 0,35  |    |    |   |    |    |
| Rear Udder Width      | 0,45  |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | -0,90 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,28 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Frame</b>           | <b>-0,88</b> |
| 76,6 | <b>Dairy Strength</b>  | <b>1,06</b>  |
| 74,8 | <b>Feet &amp; Legs</b> | <b>-2,17</b> |
| 75,3 | <b>Udder</b>           | <b>0,67</b>  |
|      | <b>SHI</b>             | <b>-38,1</b> |
|      | rank                   | 473.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>YLSTER ALF</b> | <b>NL000290848429</b>             | <b>30.08.2000</b> | <b>BES-010</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.11.2000     |
|                   |                                   | NL                | 54625          |

### Pedigree

|                   |            |                |
|-------------------|------------|----------------|
| <b>Sire</b>       | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN        |            | FR004486041658 |
| FR005694028588    | <b>PGD</b> | GAIA           |
|                   |            | FR005691017484 |
| <b>Dam</b>        | <b>MGS</b> | EASTLAND CASH  |
| NEW MOORE EC ALIE |            | NL000775328514 |
| NL000193759365    | <b>MGD</b> | ZELINA UGELA   |
|                   |            | NL000518324083 |

SUB-005

|                             |            |           |   |            |           |             |           |             |            |
|-----------------------------|------------|-----------|---|------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 8 | Daug.      | 111       | Rel.        | 94 %      | <b>SPI</b>  | 1334       |
| Number controls             |            | <b>BV</b> |   | Milk       | Fat       | %           | Prot.     | %           | rank       |
| <b>2021</b>                 |            |           |   | <b>236</b> | <b>13</b> | <b>0,06</b> | <b>10</b> | <b>0,06</b> | <b>SCS</b> |
|                             |            |           |   |            |           |             |           |             | rank       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 31 | 78,3 | Rel. | 72 % | <b>TYPE</b> | -0,36 |
|                  |             |       |       |       |    |      |      |      | rank        | 581.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,27 |    |    | ■ |    |    |
| Angularity            | -0,18 |    |    | ■ |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | -0,45 |    |    | ■ |    |    |
| Rump Angle            | 0,50  |    |    |   | ■  |    |
| Rear Legs Side View   | -0,47 |    |    | ■ |    |    |
| Foot Angle            | -0,63 |    |    | ■ |    |    |
| Fore Udder Attachment | -0,22 |    |    | ■ |    |    |
| Front Teat Placement  | 0,29  |    |    |   | ■  |    |
| Teat Length           | -0,05 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | 0,52  |    |    |   | ■  |    |
| Central Ligament      | 0,24  |    |    |   | ■  |    |
| Udder Depth           | -0,86 |    |    | ■ |    |    |
| Rump Width            | 0,12  |    |    |   | ■  |    |
| Rear Legs Rear View   | -0,21 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   | ■  |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,9 | <b>Frame</b>           | <b>-0,32</b> |
| 78,8 | <b>Dairy Strength</b>  | <b>-0,74</b> |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,55</b> |
| 76,0 | <b>Udder</b>           | <b>0,01</b>  |
|      | <b>SHI</b>             | <b>25,7</b>  |
|      | rank                   | 264.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LURACK</b>     | <b>DE000578667402</b>             | <b>24.03.1999</b> | <b>LOG-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 24.11.1999     |
|                   |                                   | DEU               | 99/14044       |

### Pedigree

|                    |            |                             |
|--------------------|------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b> | SHADY-LAWN-U LOGIC RED-ET   |
| MASAL LUCKY RED-ET |            | US000002034426              |
| US000002228267     | <b>PGD</b> | DERRWYN CENTRA SASSY RED-ET |
|                    |            | US000013630917              |
| <b>Dam</b>         | <b>MGS</b> | ALPENKING                   |
| LIANE              |            | DE000722923892              |
| DE000576461547     | <b>MGD</b> | LIANE                       |
|                    |            | DE000102828469              |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 47 | Daug. | 112 | Rel.  | 94 %  | <b>SPI</b> | -1202      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>2517</b>                 |            |           |    | -213  | -10 | -0,06 | -1    | -0,08      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 691.       |
|                             |            |           |    |       |     |       |       |            | 791.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 4 | Daug. | 11 | 76,6 | Rel. | 47 % | <b>TYPE</b> | -0,37 |
|                  |             |       |       |       |    |      |      |      | rank        | 582.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | 0,54  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | -0,80 |    |    |   |    |    |
| Teat Length           | 0,88  |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | -0,59 |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | 1,22  |    |    |   |    |    |
| Rear Teat Placement   | -0,66 |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | 0,03  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,8 | <b>Frame</b>           | -0,13 |
| 76,8 | <b>Dairy Strength</b>  | -0,41 |
| 76,2 | <b>Feet &amp; Legs</b> | 0,28  |
| 76,1 | <b>Udder</b>           | -0,83 |
|      | <b>SHI</b>             | -51,0 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>ALTAGEN-I FORBES-ET</b> | <b>CA000007104236</b> | <b>13.09.1997</b> | <b>CES-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CA                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.04.1998 |
|                   |                                   | CAN          | 415639     |

### Pedigree

|                      |            |                               |
|----------------------|------------|-------------------------------|
| <b>Sire</b>          | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET  |
| ETAZON CELSIUS-ET    |            | US000001874634                |
| NL000460508522       | <b>PGD</b> | WEA-LAND BELL ELLA            |
|                      |            | US000012105357                |
| <b>Dam</b>           | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| HOSKING MASCOT FONDA |            | US000002020049                |
| US000015330913       | <b>MGD</b> | SHEN-VAL NV SW FAWN-ET        |
|                      |            | US000014374842                |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.      | <b>136</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>1113</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 223.        |
| <b>2716</b>                 |            |           |           | <b>233</b> |            | <b>17</b> | <b>0,13</b>  | <b>SCS</b> | <b>3,00</b> |
|                             |            |           |           |            |            | <b>5</b>  | <b>-0,05</b> | rank       | 530.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 10</b> | Daug. | <b>33</b> | 77,5 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>-0,38</b> |
|                  |             |       |                |       |           |      |      | rank        | 583.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | -0,48 |    |    |   |    |    |
| Chest Width           | 0,04  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 1,05  |    |    |   |    |    |
| Teat Length           | -0,01 |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | 0,01  |    |    |   |    |    |
| Central Ligament      | -0,69 |    |    |   |    |    |
| Udder Depth           | -0,27 |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>-0,52</b> |
| 76,1 | <b>Dairy Strength</b>  | <b>-0,68</b> |
| 77,9 | <b>Feet &amp; Legs</b> | <b>-0,09</b> |
| 76,9 | <b>Udder</b>           | <b>0,28</b>  |
|      | <b>SHI</b>             | <b>18,5</b>  |
|      | rank                   | 302.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>SILUR</b>             | <b>DE00000669831</b>              | <b>10.06.2000</b> | <b>JAT-002</b>        |
| <b>Country of origin</b> | <b>Distributor</b>                | <b>Breed</b>      | <b>H100</b>           |
| DE                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | <b>Paternity</b>  | 30.08.2000            |
|                          |                                   | <b>DEU</b>        | 00/10456              |

### Pedigree

|                 |            |                     |
|-----------------|------------|---------------------|
| <b>Sire</b>     | <b>PGS</b> | DELTA CLEITUS JABOT |
| CAROUSEL SIERRA |            | NL000316419721      |
| NL000112538714  | <b>PGD</b> | DELTA GREDIEN 2 ET  |
|                 |            | NL000776507671      |
| <b>Dam</b>      | <b>MGS</b> | FATAL               |
| MAIFATAL57      |            | FR002290038601      |
| DE000342514446  | <b>MGD</b> | KNS MEDAILLE 300    |
|                 |            | DE001015211003      |

|                             |            |              |           |              |            |             |             |             |             |
|-----------------------------|------------|--------------|-----------|--------------|------------|-------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>41</b> | <b>Daug.</b> | <b>100</b> | <b>Rel.</b> | <b>93 %</b> | <b>SPI</b>  | <b>157</b>  |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |            | <b>Fat</b>  |             | <b>%</b>    |             |
| 2267                        |            |              |           | 187          |            | -5          |             | -0,23       |             |
|                             |            | <b>Prot.</b> |           | <b>%</b>     |            | <b>rank</b> |             | <b>SCS</b>  | <b>3,08</b> |
|                             |            | 0            |           | -0,12        |            | 396.        |             | <b>rank</b> | 631.        |

|                  |             |              |              |              |           |             |             |             |             |              |
|------------------|-------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>8 / 6</b> | <b>Daug.</b> | <b>15</b> | <b>77,1</b> | <b>Rel.</b> | <b>55 %</b> | <b>TYPE</b> | <b>-0,38</b> |
|                  |             |              |              |              |           |             |             |             | <b>rank</b> | 584.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,25  |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,71 |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | -0,05 |    |    |   |    |    |
| Teat Length           | 1,41  |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | -0,18 |    |    |   |    |    |
| Central Ligament      | 1,26  |    |    |   |    |    |
| Udder Depth           | 0,46  |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | -0,23 |    |    |   |    |    |
| Rear Teat Placement   | 0,26  |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>0,24</b>  |
| 77,7 | <b>Dairy Strength</b>  | <b>0,39</b>  |
| 75,1 | <b>Feet &amp; Legs</b> | <b>-0,80</b> |
| 76,2 | <b>Udder</b>           | <b>-0,32</b> |
|      | <b>SHI</b>             | <b>-10,3</b> |
|      | <b>rank</b>            | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>STALINO-ET</b> | <b>DE000348743030</b> | <b>29.01.2005</b> | <b>SOG-006</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 14.10.2005 |
|                   |                | DE           | 05/34683   |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | STOLLBERG      |
| STADEL RED     |            | DE000605543976 |
| DE001015240086 | <b>PGD</b> | DOUBLETTE      |
|                |            | DE001015106572 |
| <b>Dam</b>     | <b>MGS</b> | BOLIANT        |
| BELINDA 10     |            | DE001021138096 |
| DE001021214397 | <b>MGD</b> | BELLA          |
|                |            | DE001020968533 |

BIR-001

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>19</b> | Daug.       | <b>119</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1705</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 814.         |
| <b>2442</b>                 |            |           |           | <b>-417</b> |            | <b>-1</b>  | <b>0,11</b>  | <b>SCS</b> | <b>2,82</b>  |
|                             |            |           |           |             |            | <b>-13</b> | <b>-0,01</b> | rank       | 309.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 2</b> | Daug. | <b>11</b> | 78,5 | Rel. | <b>51 %</b> | <b>TYPE</b> | <b>-0,38</b> |
|                  |             |       |              |       |           |      |      | rank        | 585.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | 0,27  |    |    |   |    |    |
| Rump Angle            | -0,52 |    |    |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | 0,58  |    |    |   |    |    |
| Front Teat Placement  | 0,08  |    |    |   |    |    |
| Teat Length           | -0,36 |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | -0,84 |    |    |   |    |    |
| Central Ligament      | -0,64 |    |    |   |    |    |
| Udder Depth           | 1,17  |    |    |   |    |    |
| Rump Width            | -0,25 |    |    |   |    |    |
| Rear Legs Rear View   | -1,02 |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,9 | <b>Frame</b>           | <b>-0,22</b> |
| 79,4 | <b>Dairy Strength</b>  | <b>0,19</b>  |
| 80,4 | <b>Feet &amp; Legs</b> | <b>-0,09</b> |
| 75,4 | <b>Udder</b>           | <b>-0,44</b> |
|      | <b>SHI</b>             | <b>-66,5</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ROYAUME</b>    | <b>FR003544612438</b>             | <b>02.05.2000</b> | <b>ELN-022</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.03.2003     |
|                   |                                   | FR                | F/S 154440     |

### Pedigree

|                     |            |                         |
|---------------------|------------|-------------------------|
| <b>Sire</b>         | <b>PGS</b> | EMPRISE BELL ELTON      |
| WA-DEL CONVINCER-ET |            | US000001912270          |
| US000002249055      | <b>PGD</b> | WA-DEL CLEITUS CINDY-ET |
| ELN-002             |            | US000013372706          |
| <b>Dam</b>          | <b>MGS</b> | GIBBON                  |
| NATURELLE           |            | FR002991000305          |
| FR003597000289      | <b>MGD</b> | LABOTE                  |
|                     |            | FR003595015835          |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>13</b> | Daug.      | <b>139</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>1652</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 140.        |
| <b>2599</b>                 |            |           |           | <b>325</b> |            | <b>18</b> | <b>0,08</b> | <b>SCS</b> | <b>2,58</b> |
|                             |            |           |           |            |            | <b>11</b> | <b>0,02</b> | rank       | 107.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 6</b> | Daug. | <b>75</b> | 78,7 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>-0,38</b> |
|                  |             |       |               |       |           |      |      | rank        | 586.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,63 |    |    |   |    |    |
| Angularity            | 0,71  |    |    |   |    |    |
| Chest Width           | -0,43 |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | 0,16  |    |    |   |    |    |
| Front Teat Placement  | -0,08 |    |    |   |    |    |
| Teat Length           | -0,38 |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | -0,45 |    |    |   |    |    |
| Central Ligament      | -0,44 |    |    |   |    |    |
| Udder Depth           | -0,39 |    |    |   |    |    |
| Rump Width            | -0,77 |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,91 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>-1,05</b> |
| 80,6 | <b>Dairy Strength</b>  | <b>1,07</b>  |
| 79,7 | <b>Feet &amp; Legs</b> | <b>0,21</b>  |
| 75,9 | <b>Udder</b>           | <b>-0,58</b> |
|      | <b>SHI</b>             | <b>34,7</b>  |
|      | rank                   | 248.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PALMARES</b>   | <b>FR004240123057</b>             | <b>01.01.1999</b> | <b>GEP-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.06.2000     |
|                   |                                   | FRA               | 724421         |

### Pedigree

|                           |                |                            |
|---------------------------|----------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b>     | TESK-HOLM VALIANT ROCKIE   |
| BEACHLAWN GELPRO TOBEY-ET | US000001841366 | VAL-016                    |
| US000002182343            | <b>PGD</b>     | BEACHLAWN BELL CLEITUS PRO |
|                           | US000013450817 |                            |
| <b>Dam</b>                | <b>MGS</b>     | ETAZON LORD LILY-ET        |
| NELLY                     | NL000780180664 |                            |
| FR004297001873            | <b>MGD</b>     | IRMA                       |
|                           | FR004293000999 |                            |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.      | <b>108</b> | Rel.     | <b>93 %</b>  | <b>SPI</b> | <b>1126</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 221.        |
| <b>2083</b>                 |            |           |           | <b>263</b> |            | <b>5</b> | <b>-0,10</b> | <b>10</b>  | <b>0,03</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,72</b> |
|                             |            |           |           |            |            |          |              | rank       | 1202.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 13</b> | Daug. | <b>33</b> | 77,2 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-0,38</b> |
|                  |             |       |                |       |           |      |      | rank        | 587.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,43 |    |    |   |    |    |
| Angularity            | -0,07 |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | -0,56 |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | -0,82 |    |    |   |    |    |
| Fore Udder Attachment | -0,40 |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -1,15 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | 0,53  |    |    |   |    |    |
| Udder Depth           | -1,16 |    |    |   |    |    |
| Rump Width            | 0,40  |    |    |   |    |    |
| Rear Legs Rear View   | -0,73 |    |    |   |    |    |
| Rear Teat Placement   | 0,74  |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,2 | <b>Frame</b>           | <b>-0,16</b> |
| 76,7 | <b>Dairy Strength</b>  | <b>0,20</b>  |
| 77,3 | <b>Feet &amp; Legs</b> | <b>-0,87</b> |
| 76,4 | <b>Udder</b>           | <b>-0,08</b> |
|      | <b>SHI</b>             | <b>18,8</b>  |
|      | rank                   | 299.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TALIST-ET</b>  | <b>DE000348613244</b> | <b>22.03.2005</b> | <b>SOM-013</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 24.05.2005     |
|                   |                       | DE                | 05/37459       |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | MAUGHLIN STORM-ET       |
| LADINO PARK TALENT-IMP-ET |            | CA000005457798          |
| AU000000930377            | <b>PGD</b> | MARKWELL LEADER ROSE-ET |
|                           |            | US000015804313          |
| <b>Dam</b>                | <b>MGS</b> | RICECREST LANTZ-ET      |
| ALICE 1                   |            | US000002266008          |
| NL000288860620            | <b>MGD</b> | NEU-WAY PATRON ALLIE-ET |
|                           |            | US000017216847          |

|                             |            |           |    |            |          |              |           |              |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|-----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 21 | Daug.      | 116      | Rel.         | 94 %      | <b>SPI</b>   | -115        |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat          | %         | Prot.        | %           |
| <b>2439</b>                 |            |           |    | <b>129</b> | <b>3</b> | <b>-0,05</b> | <b>-6</b> | <b>-0,21</b> | <b>rank</b> |
|                             |            |           |    |            |          |              |           | <b>SCS</b>   | <b>3,25</b> |
|                             |            |           |    |            |          |              |           | rank         | 853.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 6 | Daug. | 51 | 78,1 | Rel. | 79 % | <b>TYPE</b> | -0,38 |
|                  |             |       |        |       |    |      |      |      | rank        | 588.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | 0,02  |    |    |   |    |    |
| Chest Width           | -0,64 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | -0,62 |    |    |   |    |    |
| Rear Legs Side View   | 0,43  |    |    |   |    |    |
| Foot Angle            | -0,50 |    |    |   |    |    |
| Fore Udder Attachment | 0,33  |    |    |   |    |    |
| Front Teat Placement  | 0,47  |    |    |   |    |    |
| Teat Length           | -0,50 |    |    |   |    |    |
| Rear Udder Height     | 0,59  |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | 0,73  |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | -0,13 |    |    |   |    |    |
| Rear Legs Rear View   | 0,14  |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | -0,41 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,4 | <b>Frame</b>           | -1,24 |
| 78,3 | <b>Dairy Strength</b>  | -1,02 |
| 78,4 | <b>Feet &amp; Legs</b> | -0,70 |
| 76,7 | <b>Udder</b>           | 1,19  |
|      | <b>SHI</b>             | -18,8 |
|      | rank                   | 424.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LOOKING</b>    | <b>DE00000671143</b>              | <b>10.09.2002</b> | <b>JAT-005</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 25.10.2002     |
|                   |                                   | DEU               | 02/39579       |

### Pedigree

|                    |            |                     |
|--------------------|------------|---------------------|
| <b>Sire</b>        | <b>PGS</b> | DELTA CLEITUS JABOT |
| LOUDHOEVE          |            | NL000316419721      |
| NL000141080516     | <b>PGD</b> | PIETJE 491          |
|                    |            | NL000706599761      |
| <b>Dam</b>         | <b>MGS</b> | GIBBON              |
| DIE BARLE COBA 219 |            | FR002991000305      |
| NL000207031719     | <b>MGD</b> | DIE BARLE COBA 208  |
|                    |            | NL000779423642      |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>73</b> | Rel.       | <b>90 %</b>  | <b>SPI</b> | <b>-2436</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 963.         |
| <b>1389</b>                 |            |           |           | <b>-584</b> |           | <b>-23</b> | <b>-0,04</b> | <b>SCS</b> | <b>3,37</b>  |
|                             |            |           |           |             |           | <b>-15</b> | <b>0,06</b>  | rank       | 1002.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>14</b> | 78,2 | Rel. | <b>53 %</b> | <b>TYPE</b> | <b>-0,39</b> |
|                  |             |       |               |       |           |      |      | rank        | 589.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,86 |    |    |   |    |    |
| Angularity            | 0,39  |    |    |   |    |    |
| Chest Width           | -0,17 |    |    |   |    |    |
| Body Depth            | -0,62 |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,02  |    |    |   |    |    |
| Front Teat Placement  | 0,35  |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | -0,22 |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,19 |    |    |   |    |    |
| Rump Width            | -0,62 |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,37 |    |    |   |    |    |
| Locomotion            | -0,44 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,2 | <b>Frame</b>           | <b>-1,37</b> |
| 80,1 | <b>Dairy Strength</b>  | <b>0,26</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-0,58</b> |
| 77,7 | <b>Udder</b>           | <b>0,08</b>  |
|      | <b>SHI</b>             | <b>-88,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                                    |                                   |                   |                |
|------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number               | Birth date        | State Register |
| <b>DOLLY-VARDEN FRONTIER BO-ET</b> | <b>US000002170839</b>             | <b>30.06.1991</b> | <b>FON-001</b> |
| Country of origin                  | US                                | <b>Breed</b>      | H100           |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                    |                                   | Paternity         | 24.01.1992     |
|                                    |                                   | USA               | IG164630D      |

### Pedigree

|                            |                |                               |
|----------------------------|----------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN      |
| BROWNCROFT FRONTIER-ET     | US000001723741 | ADM-008                       |
| US000001927133             | <b>PGD</b>     | BROWNCROFT KING JET FLOP-TWIN |
|                            | US000009438726 |                               |
| <b>Dam</b>                 | <b>MGS</b>     | WHITTIER-FARMS NED BOY        |
| PLUSHANSKI NED BOY FARR-ET | US000001806201 |                               |
| US0000012906374            | <b>MGD</b>     | PLUSHANSKI NUGGET FOBES-ET    |
|                            | US000010868304 |                               |

|                             |            |            |           |              |            |              |             |             |             |
|-----------------------------|------------|------------|-----------|--------------|------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds      | <b>39</b> | Daug.        | <b>238</b> | Rel.         | <b>97 %</b> | <b>SPI</b>  | <b>-390</b> |
| Number controls             | <b>BV</b>  | Milk       | Fat       | %            | Prot.      | %            | rank        | 508.        |             |
| <b>5258</b>                 |            | <b>-29</b> | <b>-1</b> | <b>-0,01</b> | <b>-5</b>  | <b>-0,10</b> | <b>SCS</b>  | <b>2,74</b> |             |
|                             |            |            |           |              |            |              | rank        | 225.        |             |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>28</b> | 77,0 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>-0,39</b> |
|                  |             |       |               |       |           |      | rank | 590.        |             |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,16 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | 0,54  |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | 0,09  |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | -0,58 |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,06  |    |    |   |    |    |
| Rear Teat Placement   | 0,05  |    |    |   |    |    |
| Locomotion            | 0,14  |    |    |   |    |    |
| Body Condition        | 0,26  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>-0,22</b> |
| 74,4 | <b>Dairy Strength</b>  | <b>-0,41</b> |
| 77,5 | <b>Feet &amp; Legs</b> | <b>-0,51</b> |
| 76,2 | <b>Udder</b>           | <b>-0,13</b> |
|      | <b>SHI</b>             | <b>-27,5</b> |
|      | rank                   | 451.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>SBS HARDTAC ROBOT-ET</b> | <b>SK000070002852</b>             | <b>28.01.1996</b> | <b>HAC-008</b> |
| Country of origin           | SK                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 24.10.1996     |
|                             |                                   | SVK               | 0218/15        |

### Pedigree

|                     |            |                               |
|---------------------|------------|-------------------------------|
| <b>Sire</b>         | <b>PGS</b> | RUANN GOLDEN NUGGET KLARK     |
| LA-POE K HARDTAC-ET |            | US000001829881                |
| US000002073505      | <b>PGD</b> | LA-POE B C HONESTY            |
| KLK-002             |            | US000011895858                |
| <b>Dam</b>          | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| LARS-ACRES PENNY    |            | US000002020049                |
| US000014923858      | <b>MGD</b> | LARS-ACRES PRISCILLA-ET       |
|                     |            | US000013774025                |

|                             |            |           |    |       |     |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug. | 97  | Rel. | 93 %  | <b>SPI</b> | -1781       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank        |
| <b>1800</b>                 |            |           |    | -421  | -10 | 0,11 | -14   | -0,04      | <b>SCS</b>  |
|                             |            |           |    |       |     |      |       |            | rank        |
|                             |            |           |    |       |     |      |       |            | 827.        |
|                             |            |           |    |       |     |      |       |            | <b>3,08</b> |
|                             |            |           |    |       |     |      |       |            | rank        |
|                             |            |           |    |       |     |      |       |            | 640.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 14 | 76,0 | Rel. | 56 % | <b>TYPE</b> | -0,39 |
|                  |             |       |       |       |    |      |      |      | rank        | 591.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,77 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | 0,27  |    |    |   |    |    |
| Body Depth            | 0,48  |    |    |   |    |    |
| Rump Angle            | -0,26 |    |    |   |    |    |
| Rear Legs Side View   | -0,23 |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,53 |    |    |   |    |    |
| Front Teat Placement  | 0,44  |    |    |   |    |    |
| Teat Length           | -0,26 |    |    |   |    |    |
| Rear Udder Height     | -0,57 |    |    |   |    |    |
| Rear Udder Width      | -0,22 |    |    |   |    |    |
| Central Ligament      | 0,90  |    |    |   |    |    |
| Udder Depth           | -1,15 |    |    |   |    |    |
| Rump Width            | -0,19 |    |    |   |    |    |
| Rear Legs Rear View   | -0,10 |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,60  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,4 | <b>Frame</b>           | -0,48 |
| 74,1 | <b>Dairy Strength</b>  | 0,04  |
| 76,2 | <b>Feet &amp; Legs</b> | -0,77 |
| 75,8 | <b>Udder</b>           | -0,14 |
|      | <b>SHI</b>             | -69,5 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>RINGO</b>     | <b>DE00000457060</b>       | <b>25.07.1997</b> | <b>ROS-003</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 10.06.1998 |
|                   |                | DEU          | 98/7700    |

### Pedigree

|                |            |                     |
|----------------|------------|---------------------|
| <b>Sire</b>    | <b>PGS</b> | MADAWASKA AEROSTAR  |
| ROELS          |            | CA000000383622      |
| DE000101645705 | <b>PGD</b> | NORDWIND 22         |
|                |            | DE000107482151      |
| <b>Dam</b>     | <b>MGS</b> | BRIDON ASTRO JET-ET |
| MAREN 232      |            | CA000000349040      |
| DE000609029499 | <b>MGD</b> | MAREN 158           |
|                |            | DE000600039999      |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 77 | Daug. | 686 | Rel. | 99 % | <b>SPI</b> | -3149       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| 12147                       |            |           |    | -776  | -21 | 0,17 | -23  | 0,01       | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 1102.       |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 1165.       |

|                  |             |       |       |       |     |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 106 | 77,5 | Rel. | 88 % | <b>TYPE</b> | -0,40 |
|                  |             |       |       |       |     |      |      |      | rank        | 592.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,94 |    |    |   |    |    |
| Angularity            | -0,50 |    |    |   |    |    |
| Chest Width           | 0,70  |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | -1,52 |    |    |   |    |    |
| Rear Legs Side View   | -0,71 |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | -1,08 |    |    |   |    |    |
| Teat Length           | 1,32  |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | 0,66  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | -0,74 |    |    |   |    |    |
| Rump Width            | 0,39  |    |    |   |    |    |
| Rear Legs Rear View   | -0,66 |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | -0,33 |    |    |   |    |    |
| Body Condition        | 0,41  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 79,1 | <b>Frame</b>           | -1,00  |
| 78,2 | <b>Dairy Strength</b>  | -0,05  |
| 78,4 | <b>Feet &amp; Legs</b> | 0,24   |
| 75,8 | <b>Udder</b>           | -0,12  |
|      | <b>SHI</b>             | -110,8 |
|      | rank                   | 616.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>JUNGE FUTURE-ET</b> | <b>US000002201220</b> | <b>16.08.1992</b> | <b>WIR-001</b> |
| Country of origin      | US                    | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.        | Herdbook          | HA             |
|                        |                       | Paternity         | 04.12.1992     |
|                        |                       | USA               | IG177484C      |

### Pedigree

|                          |            |                       |
|--------------------------|------------|-----------------------|
| <b>Sire</b>              | <b>PGS</b> | ARLINDA ROTATE        |
| TO-MAR WISTER-ET         |            | US000001697572        |
| US000001993037           | <b>PGD</b> | TO-MAR WAYNE HAY      |
| GEN-011                  |            | US000009804790        |
| <b>Dam</b>               | <b>MGS</b> | TO-MAR BLACKSTAR-ET   |
| PLUSHANSKI BS FLUSTAR-ET |            | US000001929410        |
| US000014000377           | <b>MGD</b> | PLUSHANSKI NEIL FLUTE |
|                          |            | US000011002112        |

|                             |            |           |           |           |            |          |             |            |              |
|-----------------------------|------------|-----------|-----------|-----------|------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.     | <b>318</b> | Rel.     | <b>98 %</b> | <b>SPI</b> | <b>-26</b>   |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat      | %           | Prot.      | %            |
| <b>5937</b>                 |            |           |           | <b>34</b> |            | <b>2</b> | <b>0,00</b> | <b>-2</b>  | <b>-0,07</b> |
|                             |            |           |           |           |            |          |             | <b>SCS</b> | <b>3,38</b>  |
|                             |            |           |           |           |            |          |             | rank       | 1018.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 6</b> | Daug. | <b>47</b> | 77,3 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,40</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 593.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    |   |    |    |
| Angularity            | -0,90 |    |    |   |    |    |
| Chest Width           | 0,84  |    |    |   |    |    |
| Body Depth            | 1,30  |    |    |   |    |    |
| Rump Angle            | -0,10 |    |    |   |    |    |
| Rear Legs Side View   | 0,57  |    |    |   |    |    |
| Foot Angle            | -0,38 |    |    |   |    |    |
| Fore Udder Attachment | -0,64 |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | 0,83  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | -0,39 |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | -0,08 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 80,3 | <b>Frame</b> | <b>0,50</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 75,9 | <b>Dairy Strength</b> | <b>-0,69</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,1 | <b>Feet &amp; Legs</b> | <b>-0,91</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,6 | <b>Udder</b> | <b>-0,26</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-16,7</b> |
|--|------------|--------------|

rank 420.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>VLARA KARLSTAD GRETAL</b> | <b>SK000061253861</b> | <b>10.12.1995</b> | <b>KAD-002</b> |
| Country of origin            | SK                    | <b>Breed</b>      | H100           |
| Distributor                  |                       | Herdbook          | HA             |
|                              |                       | Paternity         | ..             |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | THONYMA SECRET               |
| DELTA KARLSTAD |            | US000001856904               |
| NL000318171986 | <b>PGD</b> | BRIDGES BELL MARIE STEPHANIE |
|                |            | US000011429878               |
| <b>Dam</b>     | <b>MGS</b> | SKALSUMER SUNNY BOY-ET       |
| GRETHA 65      |            | NL000311651443               |
| SK000030103811 | <b>MGD</b> | GRETHA 64                    |
|                |            | NL000317216767               |

|                             |            |           |           |             |           |            |              |              |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>39</b> | Daug.       | <b>99</b> | Rel.       | <b>94 %</b>  | <b>SPI</b>   | <b>-1839</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank         | 842.         |
| <b>2086</b>                 |            |           |           | <b>-442</b> |           | <b>-16</b> | <b>-0,00</b> | <b>Prot.</b> | <b>0,03</b>  |
|                             |            |           |           |             |           |            |              | <b>SCS</b>   | <b>3,25</b>  |
|                             |            |           |           |             |           |            |              | rank         | 859.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 7</b> | Daug. | <b>16</b> | 77,6 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>-0,41</b> |
|                  |             |       |               |       |           |      |      | rank        | 594.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,17 |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | -0,36 |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,56 |    |    |   |    |    |
| Front Teat Placement  | 0,54  |    |    |   |    |    |
| Teat Length           | -0,07 |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | -0,54 |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | -0,40 |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | 0,45  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,8 | <b>Frame</b>           | <b>-0,03</b> |
| 73,4 | <b>Dairy Strength</b>  | <b>-0,75</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>-0,24</b> |
| 77,4 | <b>Udder</b>           | <b>-0,20</b> |
|      | <b>SHI</b>             | <b>-71,7</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>CHASIN-RAINBOWS SHAZAM</b> | <b>US000002092029</b>             | <b>19.08.1988</b> | <b>CLE-022</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 01.09.1989     |
|                               |                                   | USA               | IG108877B      |

### Pedigree

|                                |            |                                |
|--------------------------------|------------|--------------------------------|
| <b>Sire</b>                    | <b>PGS</b> | SWEET-HAVEN TRADITION          |
| BIS-MAY TRADITION CLEITUS      |            | US000001682485                 |
| US000001879085                 | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL        |
| CLE-003                        |            | US000010192628                 |
| <b>Dam</b>                     | <b>MGS</b> | WALKWAY CHIEF MARK             |
| CHASIN-RAINBOWS MARK SHASTA-ET |            | US000001773417                 |
| US000012658668                 | <b>MGD</b> | BUTTON-WILLOW TRADITION SHANON |
|                                |            | US000010996919                 |

|                             |            |           |    |            |          |              |          |              |             |
|-----------------------------|------------|-----------|----|------------|----------|--------------|----------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug.      | 248      | Rel.         | 97 %     | <b>SPI</b>   | 1190        |
| Number controls             |            | <b>BV</b> |    | Milk       |          | Fat          | %        | Prot.        | %           |
| <b>5825</b>                 |            |           |    | <b>635</b> | <b>4</b> | <b>-0,36</b> | <b>3</b> | <b>-0,33</b> | <b>SCS</b>  |
|                             |            |           |    |            |          |              |          |              | rank        |
|                             |            |           |    |            |          |              |          |              | 210.        |
|                             |            |           |    |            |          |              |          |              | <b>3,49</b> |
|                             |            |           |    |            |          |              |          |              | rank        |
|                             |            |           |    |            |          |              |          |              | 1105.       |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 15 / 9 | Daug. | 41 | 76,8 | Rel. | 77 % | <b>TYPE</b> | -0,41 |
|                  |             |       |        |       |    |      |      |      | rank        | 595.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,32 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | 0,40  |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | 0,41  |    |    |   |    |    |
| Foot Angle            | 0,12  |    |    |   |    |    |
| Fore Udder Attachment | 0,57  |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | -0,31 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -1,02 |    |    |   |    |    |
| Udder Depth           | 0,28  |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,53  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,3 | <b>Frame</b>           | <b>-1,30</b> |
| 74,8 | <b>Dairy Strength</b>  | <b>-0,56</b> |
| 77,4 | <b>Feet &amp; Legs</b> | <b>0,10</b>  |
| 76,8 | <b>Udder</b>           | <b>0,52</b>  |
|      | <b>SHI</b>             | <b>19,7</b>  |
|      | rank                   | 292.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                       |
|------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>       | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>J&amp;G MALANDO</b> | <b>NL000437064008</b>             | <b>05.01.2006</b> | <b>GOG-002</b>        |
| Country of origin      | NL                                | <b>Breed</b>      | R100                  |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                        |                                   | Paternity         | 13.06.2006            |
|                        |                                   | NL                | 137790                |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA ELDORADO        |
| TOPSPEED GOGO  |            | NL000190571881        |
| NL000240295769 | <b>PGD</b> | CRYSTAL TOPSPEED GINY |
|                |            | NL000164821217        |
| <b>Dam</b>     | <b>MGS</b> | KIAN                  |
| J&G MEISI 5    |            | NL000207288005        |
| NL000359855658 | <b>MGD</b> | J&G MEISI 4           |
|                |            | NL000328350216        |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.       | <b>497</b> | Rel.      | <b>97 %</b> | <b>SPI</b> | <b>990</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 243.        |
| <b>6409</b>                 |            |           |           | <b>-151</b> |            | <b>16</b> | <b>0,40</b> | <b>SCS</b> | <b>2,73</b> |
|                             |            |           |           |             |            |           |             | rank       | 212.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>15</b> | 80,5 | Rel. | <b>50 %</b> | <b>TYPE</b> | <b>-0,41</b> |
|                  |             |       |              |       |           |      |      | rank        | 596.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,05 |    |    |   |    |    |
| Angularity            | -0,73 |    |    |   |    |    |
| Chest Width           | 0,49  |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | 0,47  |    |    |   |    |    |
| Rear Legs Side View   | -0,61 |    |    |   |    |    |
| Foot Angle            | 0,02  |    |    |   |    |    |
| Fore Udder Attachment | -0,58 |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | -0,21 |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | -0,21 |    |    |   |    |    |
| Udder Depth           | -0,44 |    |    |   |    |    |
| Rump Width            | -0,17 |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | -0,99 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | 0,29  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,0 | <b>Frame</b>           | <b>-0,05</b> |
| 80,6 | <b>Dairy Strength</b>  | <b>-1,10</b> |
| 83,1 | <b>Feet &amp; Legs</b> | <b>0,40</b>  |
| 77,1 | <b>Udder</b>           | <b>-0,93</b> |
|      | <b>SHI</b>             | <b>13,5</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>DYNAMAT RED-ET</b> | <b>SK000011005861</b>             | <b>17.03.1988</b> | <b>DYN-001</b> |
| Country of origin     | SK                                | <b>Breed</b>      | R100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         |                |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                               | <b>PGS</b> | GLENAFTON ENHANCER<br>CA000000343514        |
| DOWNALANE DYNAMATE RED<br>CA000000381318  | <b>PGD</b> | REID MANOR DINAH ANA<br>CA0000003170800     |
| <b>Dam</b>                                | <b>MGS</b> | AGRO ACRES MARQUIS NED<br>CA000000290516    |
| ROYCEDALE NED VERA RED<br>CA0000003354231 | <b>MGD</b> | ROYCEDALE NOBLEMAN VELMA<br>CA0000002824773 |

|                             |            |           |     |       |      |      |       |            |            |
|-----------------------------|------------|-----------|-----|-------|------|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 277 | Daug. | 6251 | Rel. | 99 %  | <b>SPI</b> | -3895      |
| Number controls             |            | <b>BV</b> |     | Milk  | Fat  | %    | Prot. | %          | rank       |
| <b>118189</b>               |            |           |     | -968  | -24  | 0,29 | -30   | 0,00       | <b>SCS</b> |
|                             |            |           |     |       |      |      |       |            | rank       |
|                             |            |           |     |       |      |      |       |            | 1249.      |
|                             |            |           |     |       |      |      |       |            | 468.       |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 24 / 16 | Daug. | 123 | 75,6 | Rel. | 93 % | <b>TYPE</b> | -0,41 |
|                  |             |       |         |       |     |      |      |      | rank        | 597.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,32 |    |    |   |    |    |
| Angularity            | -0,91 |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,72  |    |    |   |    |    |
| Rump Angle            | -0,20 |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | 0,15  |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | 0,34  |    |    |   |    |    |
| Teat Length           | -0,63 |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | 0,45  |    |    |   |    |    |
| Rear Legs Rear View   | 0,31  |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,52  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,1 | <b>Frame</b>           | <b>0,08</b>   |
| 72,5 | <b>Dairy Strength</b>  | <b>-1,20</b>  |
| 78,3 | <b>Feet &amp; Legs</b> | <b>0,52</b>   |
| 74,6 | <b>Udder</b>           | <b>-0,38</b>  |
|      | <b>SHI</b>             | <b>-133,9</b> |
|      | rank                   | 633.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>GANWIND</b>    | <b>FR005991008249</b> | <b>05.07.1991</b> | <b>BEL-014</b> |
| Country of origin | FR                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 01.01.1992     |
|                   |                       | FRA               | GS951121       |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL         |
| SOUTHWIND BELL OF BAR-LEE |            | US000001667366                |
| US000001964484            | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET    |
| BEL-001                   |            | US000011489023                |
| <b>Dam</b>                | <b>MGS</b> | LEKKER VALIANT ROYALTY        |
| LYLEHAVEN ROYALTY ANNE-ET |            | US000001821208                |
| US000012877008            | <b>MGD</b> | YARSONS APOLLO HAVEN AMBER-ET |
|                           |            | US000010961957                |

|                             |            |           |           |             |           |           |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>11</b> | Daug.       | <b>69</b> | Rel.      | <b>91 %</b>  | <b>SPI</b> | <b>-1035</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |              | rank       | 656.         |
| <b>1328</b>                 |            |           |           | <b>-204</b> |           | <b>-9</b> | <b>-0,03</b> | <b>SCS</b> | <b>3,19</b>  |
|                             |            |           |           |             |           | <b>-8</b> | <b>-0,04</b> | rank       | 778.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 1</b> | Daug. | <b>23</b> | 76,7 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>-0,42</b> |
|                  |             |       |              |       |           |      |      | rank        | 598.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,43 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,23 |    |    |   |    |    |
| Body Depth            | -0,53 |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,51 |    |    |   |    |    |
| Front Teat Placement  | -0,30 |    |    |   |    |    |
| Teat Length           | -0,18 |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | 0,04  |    |    |   |    |    |
| Central Ligament      | 1,00  |    |    |   |    |    |
| Udder Depth           | 0,19  |    |    |   |    |    |
| Rump Width            | 0,34  |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | -0,23 |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-0,77</b> |
| 75,3 | <b>Dairy Strength</b>  | <b>-0,23</b> |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-0,63</b> |
| 76,2 | <b>Udder</b>           | <b>0,19</b>  |
|      | <b>SHI</b>             | <b>-47,8</b> |
|      | rank                   | 501.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>LINCOLN RED-ET</b> | <b>DE000061135946</b>             | <b>01.02.1999</b> | <b>LED-002</b> |
| Country of origin     | DE                                | <b>Breed</b>      | R100           |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                       |                                   | Paternity         | 01.04.1999     |
|                       |                                   | DEU               | 99/4816        |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | WEATHERVU HARRY-ET          |
| CHAPEL-BANK LAREDO RED |            | US000002044778              |
| US000002199279         | <b>PGD</b> | CHAPEL-BANK INSP LYN-RED-ET |
|                        |            | US000014014011              |
| <b>Dam</b>             | <b>MGS</b> | ANTHEM                      |
| JASMIN 1614            |            | CA000000382582              |
| DE000660021368         | <b>MGD</b> | IVONNE 132                  |
|                        |            | DE000660021370              |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>39</b> | Daug.       | <b>110</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-3546</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1193.        |
| <b>2479</b>                 |            |           |           | <b>-753</b> |            | <b>-27</b> | <b>0,03</b>  | <b>SCS</b> | <b>3,22</b>  |
|                             |            |           |           |             |            | <b>-28</b> | <b>-0,11</b> | rank       | 810.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 3</b> | Daug. | <b>19</b> | 76,2 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>-0,42</b> |
|                  |             |       |              |       |           |      |      | rank        | 599.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,70 |    |    |   |    |    |
| Angularity            | 0,42  |    |    |   |    |    |
| Chest Width           | -0,83 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 0,30  |    |    |   |    |    |
| Rear Legs Side View   | -0,55 |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | 0,15  |    |    |   |    |    |
| Front Teat Placement  | 0,36  |    |    |   |    |    |
| Teat Length           | 0,17  |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | -0,83 |    |    |   |    |    |
| Central Ligament      | 0,49  |    |    |   |    |    |
| Udder Depth           | 1,30  |    |    |   |    |    |
| Rump Width            | -1,14 |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,31 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 76,2 | <b>Frame</b>           | <b>-1,76</b>  |
| 76,2 | <b>Dairy Strength</b>  | <b>0,02</b>   |
| 77,3 | <b>Feet &amp; Legs</b> | <b>-0,03</b>  |
| 75,3 | <b>Udder</b>           | <b>0,24</b>   |
|      | <b>SHI</b>             | <b>-123,6</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>SBS LUKE LOTO-ET</b> | <b>SK000070003852</b>             | <b>30.01.1996</b> | <b>LU-004</b>  |
| Country of origin       | SK                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 24.10.1996     |
|                         |                                   | SVK               | 0218/16        |

### Pedigree

|                              |            |                             |
|------------------------------|------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN |            | US000001879085              |
| US000002071864               |            | CLE-003                     |
| CLE-005                      | <b>PGD</b> | NORRIELAKE VALIANT CHEER-ET |
|                              |            | US000012365669              |
| <b>Dam</b>                   | <b>MGS</b> | THONYMA SECRET              |
| GREEN-VALE SECRET LORNA-ET   |            | US000001856904              |
| US000013589093               | <b>MGD</b> | YUCCA ROTATE LORI-ET        |
|                              |            | US000013119192              |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>84</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1519</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 767.         |
| <b>1716</b>                 |            |           |           | <b>-229</b> |           | <b>-12</b> | <b>-0,07</b> | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |           |             |           | <b>-14</b> | <b>-0,16</b> | rank       | 746.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>11</b> | 76,5 | Rel. | <b>50 %</b> | <b>TYPE</b> | <b>-0,42</b> |
|                  |             |       |              |       |           |      |      | rank        | 600.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,74  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,12  |    |    |   |    |    |
| Rump Angle            | -0,14 |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | -0,20 |    |    |   |    |    |
| Fore Udder Attachment | -0,40 |    |    |   |    |    |
| Front Teat Placement  | -0,10 |    |    |   |    |    |
| Teat Length           | -0,04 |    |    |   |    |    |
| Rear Udder Height     | -0,36 |    |    |   |    |    |
| Rear Udder Width      | -0,58 |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | 0,28  |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | -0,48 |    |    |   |    |    |
| Locomotion            | -0,02 |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>1,11</b>  |
| 74,5 | <b>Dairy Strength</b>  | <b>-0,29</b> |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,19</b> |
| 74,8 | <b>Udder</b>           | <b>-1,30</b> |
|      | <b>SHI</b>             | <b>-62,7</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |              |                |
|-------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date   | State Register |
| <b>TESLA ET</b>   | <b>SK000046810853</b> | 17.03.1995   | <b>TES-004</b> |
| Country of origin | SK                    | <b>Breed</b> | H100           |
| Distributor       | Slovensko             | Herdbook     | HA             |
|                   |                       | Paternity    |                |

### Pedigree

|                              |            |                              |
|------------------------------|------------|------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | S-W-D VALIANT                |
| TESK-HOLM VALIANT ROCKIE     |            | US000001650414               |
| US000001841366               | <b>PGD</b> | HOUVALE APOLLO GAIL          |
| VAL-016                      |            | US000008985852               |
| <b>Dam</b>                   | <b>MGS</b> | LEKKER IVANHOE BELL JESSE-ET |
| RUANN JESSE LORELEI 88207-ET |            | US000001842389               |
| US0000013350496              | <b>MGD</b> | RUANN GOLDEN NUGGET LASS     |
|                              |            | US0000010532369              |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.       | <b>122</b> | Rel.       | <b>94 %</b> | <b>SPI</b> | <b>-1643</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %           | Prot.      | %            |
| <b>2361</b>                 |            |           |           | <b>-372</b> |            | <b>-11</b> | <b>0,05</b> | <b>-13</b> | <b>-0,04</b> |
|                             |            |           |           |             |            |            |             | <b>SCS</b> | <b>3,13</b>  |
|                             |            |           |           |             |            |            |             | rank       | 797.         |
|                             |            |           |           |             |            |            |             | rank       | 705.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 10</b> | Daug. | <b>28</b> | 76,6 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>-0,42</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 601.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,23  |    |    |   |    |    |
| Angularity            | 0,04  |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | -0,05 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | 0,77  |    |    |   |    |    |
| Rear Udder Height     | -0,54 |    |    |   |    |    |
| Rear Udder Width      | -0,65 |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | -0,19 |    |    |   |    |    |
| Rear Legs Rear View   | -1,10 |    |    |   |    |    |
| Rear Teat Placement   | -0,30 |    |    |   |    |    |
| Locomotion            | -0,21 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>0,11</b>  |
| 73,8 | <b>Dairy Strength</b>  | <b>-0,17</b> |
| 77,3 | <b>Feet &amp; Legs</b> | <b>-0,71</b> |
| 75,8 | <b>Udder</b>           | <b>-0,44</b> |
|      | <b>SHI</b>             | <b>-66,5</b> |
|      | rank                   | 539.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>LEVANT ET</b>  | <b>SK000047059853</b>             | 17.12.1994   | <b>LAD-004</b> |
| Country of origin | SK                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 27.11.1995     |
|                   |                                   | SVK          | 0202/06        |

### Pedigree

|                             |            |                         |
|-----------------------------|------------|-------------------------|
| <b>Sire</b>                 | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| ROTHROCK TRADITION LEADMAN  |            | US000001682485          |
| US000001983348              | <b>PGD</b> | WALKUP VALIANT LOU ELLA |
| TDN-004                     |            | US000010930744          |
| <b>Dam</b>                  | <b>MGS</b> | S-W-D VALIANT           |
| RUANN VALIANT REBA 60225-ET |            | US000001650414          |
| US000013192080              | <b>MGD</b> | HANOVER-HILL TEMPO ROXY |
|                             |            | US000010450504          |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>70</b> | Daug.       | <b>229</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-3538</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1192.        |
| <b>4414</b>                 |            |           |           | <b>-999</b> |            | <b>-15</b> | <b>0,53</b> | <b>SCS</b> | <b>2,97</b>  |
|                             |            |           |           |             |            | <b>-27</b> | <b>0,10</b> | rank       | 494.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 13</b> | Daug. | <b>35</b> | 76,4 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,43</b> |
|                  |             |       |                |       |           |      |      | rank        | 602.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,13 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | -0,04 |    |    |   |    |    |
| Rump Angle            | -0,41 |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | 0,37  |    |    |   |    |    |
| Fore Udder Attachment | 0,15  |    |    |   |    |    |
| Front Teat Placement  | -0,34 |    |    |   |    |    |
| Teat Length           | 0,09  |    |    |   |    |    |
| Rear Udder Height     | -0,31 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,26 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | 0,00  |    |    |   |    |    |
| Rear Legs Rear View   | -0,27 |    |    |   |    |    |
| Rear Teat Placement   | 0,23  |    |    |   |    |    |
| Locomotion            | -0,41 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 77,0 | <b>Frame</b>           | <b>-1,17</b>  |
| 73,5 | <b>Dairy Strength</b>  | <b>-0,16</b>  |
| 78,9 | <b>Feet &amp; Legs</b> | <b>0,92</b>   |
| 76,3 | <b>Udder</b>           | <b>-0,06</b>  |
|      | <b>SHI</b>             | <b>-123,8</b> |
|      | rank                   | 624.          |

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SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>LOUBEL VOLCANO-ET RED</b> | <b>CA000000403965</b> | <b>11.02.1989</b> | <b>REY-001</b> |
| Country of origin            | CA                    | <b>Breed</b>      | R100           |
| Distributor                  | INSEMAS s.r.o.        | Herdbook          | HA             |
|                              |                       | Paternity         | ..             |

### Pedigree

|                          |                 |                          |
|--------------------------|-----------------|--------------------------|
| <b>Sire</b>              | <b>PGS</b>      | STANHOPE CANNONADE       |
| REYNOLD MICHEL-RED       | CA000000337679  |                          |
| CA000000384949           | <b>PGD</b>      | REYNOLD PREMIER MARGO    |
|                          | CA0000003787647 |                          |
| <b>Dam</b>               | <b>MGS</b>      | GLENAFTON ENHANCER       |
| HANOVERHILL EN SHERRN-ET | CA000000343514  |                          |
| CA0000003994376          | <b>MGD</b>      | SHAVERSIDE APOLLO SHERRN |
|                          | US000008628429  |                          |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>207</b> | Daug.       | <b>2558</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1683</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 805.         |
| <b>49387</b>                |            |           |            | <b>-275</b> |             | <b>-16</b> | <b>-0,12</b> | <b>SCS</b> | <b>3,17</b>  |
|                             |            |           |            |             |             | <b>-13</b> | <b>-0,12</b> | rank       | 751.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 13</b> | Daug. | <b>100</b> | 75,1 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,43</b> |
|                  |             |       |                |       |            |      |      | rank        | 603.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,03 |    |    |   |    |    |
| Angularity            | -0,34 |    |    |   |    |    |
| Chest Width           | -0,08 |    |    |   |    |    |
| Body Depth            | 0,02  |    |    |   |    |    |
| Rump Angle            | -0,26 |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,73 |    |    |   |    |    |
| Front Teat Placement  | -1,50 |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | 0,67  |    |    |   |    |    |
| Rear Udder Width      | 0,78  |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | -0,51 |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | -0,43 |    |    |   |    |    |
| Rear Teat Placement   | -1,66 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,1 | <b>Frame</b>           | <b>-0,07</b> |
| 71,8 | <b>Dairy Strength</b>  | <b>-0,57</b> |
| 77,0 | <b>Feet &amp; Legs</b> | <b>-0,51</b> |
| 74,9 | <b>Udder</b>           | <b>-0,35</b> |
|      | <b>SHI</b>             | <b>-67,9</b> |
|      | rank                   | 546.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>NISLY-GEN CHEROKEE RED-ET</b> | <b>US000002166873</b>             | <b>16.12.1990</b> | <b>DOT-001</b> |
| Country of origin                | US                                | <b>Breed</b>      | R100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 25.02.1992     |
|                                  |                                   | USA               | IG166099A      |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | CARLIN-M IVANHOE BELL       |
| WILLOW-MARSH DOMINATE      |            | US000001667366              |
| US000002037127             | <b>PGD</b> | WILLOW-MARSH VALIANT SYLVIA |
|                            |            | US000011444502              |
| <b>Dam</b>                 | <b>MGS</b> | WELCOME-W TRANCER RED       |
| BRIARPATCH-R CHERRY RED-ET |            | US000001994245              |
| US000013503043             | <b>MGD</b> | WOODMANSEES ENHANCER LORNA  |
|                            |            | US000011783799              |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 76 | Daug. | 715 | Rel. | 99 %  | <b>SPI</b> | -78   |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | Prot.      | %     |
| 13779                       |            |           |    | 40    |     | -4   | -0,11 | -0         | -0,04 |
|                             |            |           |    |       |     |      |       | <b>SCS</b> | 3,29  |
|                             |            |           |    |       |     |      |       | rank       | 443.  |
|                             |            |           |    |       |     |      |       | rank       | 903.  |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 34 / 12 | Daug. | 185 | 76,1 | Rel. | 93 % | <b>TYPE</b> | -0,43 |
|                  |             |       |         |       |     |      |      | rank | 604.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | -0,24 |    |    |   |    |    |
| Rear Legs Side View   | 0,83  |    |    |   |    |    |
| Foot Angle            | -0,89 |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | 0,18  |    |    |   |    |    |
| Teat Length           | 0,99  |    |    |   |    |    |
| Rear Udder Height     | -0,21 |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | 0,57  |    |    |   |    |    |
| Udder Depth           | -0,50 |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | -0,32 |    |    |   |    |    |
| Locomotion            | -0,42 |    |    |   |    |    |
| Body Condition        | -0,49 |    |    |   |    |    |

daught. average

78,2 **Frame** -0,60

74,0 **Dairy Strength** -0,33

76,6 **Feet & Legs** -2,04

75,9 **Udder** 0,81

**SHI** -19,5

rank 426.

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SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>NEU-WAY FOUR STAR-ET</b> | <b>US000120173998</b>             | <b>23.07.1997</b> | <b>FOM-005</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 03.03.1998     |
|                             |                                   | USA               | IG240551A      |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | ROTHROCK TRADITION LEADMAN |
| SHEN-VAL NV LM FORMATION-ET | US000001983348 | TDN-004                    |
| US000002163822              | <b>PGD</b>     | SHEN-VAL MARK FAY          |
| LAD-009                     | US000013008118 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | MADAWASKA AEROSTAR         |
| NEU-WAY AEROSTAR ALLIE-ET   | CA000000383622 | STB-011                    |
| US000015372435              | <b>MGD</b>     | NEU-WAY MELWOOD ALLIE      |
|                             | US000013931123 |                            |

|                             |            |           |    |       |      |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|------|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 76 | Daug. | 1404 | Rel. | 99 %  | <b>SPI</b> | 403   |
| Number controls             |            | <b>BV</b> |    | Milk  |      | Fat  | %     | Prot.      | %     |
| 27224                       |            |           |    | 386   |      | -9   | -0,43 | 2          | -0,21 |
|                             |            |           |    |       |      |      |       | <b>SCS</b> | 3,56  |
|                             |            |           |    |       |      |      |       | rank       | 1138. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 36 / 14 | Daug. | 214 | 78,2 | Rel. | 94 % | <b>TYPE</b> | -0,44 |
|                  |             |       |         |       |     |      |      |      | rank        | 605.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,17  |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | -1,22 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | 0,16  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | 0,13  |    |    |   |    |    |
| Teat Length           | 0,49  |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | -0,73 |    |    |   |    |    |
| Central Ligament      | -0,24 |    |    |   |    |    |
| Udder Depth           | 0,43  |    |    |   |    |    |
| Rump Width            | 0,46  |    |    |   |    |    |
| Rear Legs Rear View   | -0,75 |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,3 | <b>Frame</b>           | -0,08 |
| 79,3 | <b>Dairy Strength</b>  | 0,39  |
| 77,9 | <b>Feet &amp; Legs</b> | -0,52 |
| 75,7 | <b>Udder</b>           | -0,83 |
|      | <b>SHI</b>             | -5,6  |
|      | rank                   | 380.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>OZIDANE</b>   | <b>FR008505559288</b>      | <b>15.12.1998</b> | <b>MED-001</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | FR                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 21.06.2000 |
|                          |                                   | <b>FRA</b>       | 724007     |

### Pedigree

|                        |                |                           |
|------------------------|----------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b>     | OSDEL-ENDEAVOR BOVA CUBBY |
| HA-HO CUBBY MANFRED-ET | US000001986164 | BA-002                    |
| US000002183007         | <b>PGD</b>     | HA-HO TESK MELANIE        |
|                        | US000013066986 |                           |
| <b>Dam</b>             | <b>MGS</b>     | FATAL                     |
| NATALIQUE              | FR002290038601 |                           |
| FR008596028272         | <b>MGD</b>     | JAMAIQUE                  |
|                        | FR008594024368 |                           |

|                             |            |              |    |              |     |             |      |              |       |
|-----------------------------|------------|--------------|----|--------------|-----|-------------|------|--------------|-------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 53 | <b>Daug.</b> | 121 | <b>Rel.</b> | 94 % | <b>SPI</b>   | 888   |
| <b>Number controls</b>      |            | <b>BV</b>    |    | <b>Milk</b>  |     | <b>Fat</b>  |      | <b>%</b>     |       |
| <b>2600</b>                 |            |              |    | <b>278</b>   |     | <b>9</b>    |      | <b>-0,04</b> |       |
|                             |            | <b>Prot.</b> |    | <b>%</b>     |     | <b>rank</b> |      | <b>SCS</b>   | 262.  |
|                             |            | <b>4</b>     |    | <b>-0,10</b> |     | <b>rank</b> |      | <b>3,46</b>  | 1079. |

|                  |             |              |         |              |    |      |             |      |             |       |
|------------------|-------------|--------------|---------|--------------|----|------|-------------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 18 / 14 | <b>Daug.</b> | 41 | 76,8 | <b>Rel.</b> | 76 % | <b>TYPE</b> | -0,44 |
|                  |             |              |         |              |    |      |             |      | <b>rank</b> | 606.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,28  |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | 0,53  |    |    |   |    |    |
| Body Depth            | 0,51  |    |    |   |    |    |
| Rump Angle            | -0,39 |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | -0,61 |    |    |   |    |    |
| Fore Udder Attachment | -0,01 |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | 0,63  |    |    |   |    |    |
| Rear Udder Height     | -0,16 |    |    |   |    |    |
| Rear Udder Width      | -0,14 |    |    |   |    |    |
| Central Ligament      | -0,93 |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | -0,42 |    |    |   |    |    |
| Rear Legs Rear View   | 0,38  |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,55  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,4 | <b>Frame</b> | <b>0,56</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 75,9 | <b>Dairy Strength</b> | <b>-0,24</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,8 | <b>Feet &amp; Legs</b> | <b>-0,33</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,5 | <b>Udder</b> | <b>-0,78</b> |
|------|--------------|--------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>9,0</b> |
|--|------------|------------|

rank 340.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>DARKMET</b>    | <b>CZ000109879582</b>             | <b>22.03.1999</b> | <b>MEO-002</b>        |
| Country of origin | CZ                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 20.10.1999            |
|                   |                                   | CSK               | 4726/16               |

### Pedigree

|                         |                |                           |
|-------------------------|----------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b>     | OSDEL-ENDEAVOR BOVA CUBBY |
| JO-WAL CUBBY METRO-ET   | US000001986164 | BA-002                    |
| US000002191266          | <b>PGD</b>     | JO-WAL CLEITUS MACEY-ET   |
|                         | US000013463545 |                           |
| <b>Dam</b>              | <b>MGS</b>     | UNITED NICK-ET            |
| HENKESEEN NICK HANNA-ET | US000001989083 |                           |
| US000015692607          | <b>MGD</b>     | HENKESEEN M HILLARY-ET    |
|                         | US000014973207 |                           |

|                             |            |           |   |            |           |             |           |             |            |
|-----------------------------|------------|-----------|---|------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 3 | Daug.      | 21        | Rel.        | 76 %      | <b>SPI</b>  | 1543       |
| Number controls             |            | <b>BV</b> |   | Milk       |           | Fat         | %         | Prot.       | %          |
| <b>406</b>                  |            |           |   | <b>208</b> | <b>13</b> | <b>0,08</b> | <b>14</b> | <b>0,15</b> | <b>SCS</b> |
|                             |            |           |   |            |           |             |           |             | rank       |
|                             |            |           |   |            |           |             |           |             | ...        |
|                             |            |           |   |            |           |             |           |             | rank       |
|                             |            |           |   |            |           |             |           |             | ...        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 3 | Daug. | 18 | 78,2 | Rel. | 58 % | <b>TYPE</b> | -0,45 |
|                  |             |       |       |       |    |      |      |      | rank        | 607.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,46 |    |    |   |    |    |
| Angularity            | -0,38 |    |    |   |    |    |
| Chest Width           | 1,24  |    |    |   |    |    |
| Body Depth            | 0,97  |    |    |   |    |    |
| Rump Angle            | -1,23 |    |    |   |    |    |
| Rear Legs Side View   | 0,49  |    |    |   |    |    |
| Foot Angle            | 0,44  |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -1,08 |    |    |   |    |    |
| Teat Length           | 1,46  |    |    |   |    |    |
| Rear Udder Height     | -0,47 |    |    |   |    |    |
| Rear Udder Width      | 0,38  |    |    |   |    |    |
| Central Ligament      | -1,50 |    |    |   |    |    |
| Udder Depth           | -0,90 |    |    |   |    |    |
| Rump Width            | 0,44  |    |    |   |    |    |
| Rear Legs Rear View   | 0,05  |    |    |   |    |    |
| Rear Teat Placement   | -1,12 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,92  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,9 | <b>Frame</b>           | <b>0,16</b>  |
| 78,9 | <b>Dairy Strength</b>  | <b>0,53</b>  |
| 79,4 | <b>Feet &amp; Legs</b> | <b>1,20</b>  |
| 75,7 | <b>Udder</b>           | <b>-1,80</b> |
|      | <b>SHI</b>             | <b>28,7</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ACAPULCO</b>   | <b>FR003531421898</b>             | <b>18.01.2005</b> | <b>WIT-006</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 04.05.2005     |
|                   |                                   | FR                | F/S 287769     |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | LADYS-MANOR WINCHESTER-ET |
| OKENDO         |            | US000002205082            |
| FR002998012650 | <b>PGD</b> | LURONNE                   |
|                |            | FR002995001460            |
| <b>Dam</b>     | <b>MGS</b> | JOCKO BESN                |
| CANDY          |            | FR005694028588            |
| FR002236352664 | <b>MGD</b> | CHARMY                    |
|                |            | FR002296001648            |

|                             |            |           |    |            |           |              |           |              |            |
|-----------------------------|------------|-----------|----|------------|-----------|--------------|-----------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 22 | Daug.      | 78        | Rel.         | 92 %      | <b>SPI</b>   | 2047       |
| Number controls             |            | <b>BV</b> |    | Milk       | Fat       | %            | Prot.     | %            | rank       |
| <b>1532</b>                 |            |           |    | <b>508</b> | <b>12</b> | <b>-0,13</b> | <b>16</b> | <b>-0,01</b> | <b>SCS</b> |
|                             |            |           |    |            |           |              |           |              | rank       |
|                             |            |           |    |            |           |              |           |              | 98.        |
|                             |            |           |    |            |           |              |           |              | 342.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 5 | Daug. | 22 | 77,7 | Rel. | 66 % | <b>TYPE</b> | -0,45 |
|                  |             |       |       |       |    |      |      |      | rank        | 608.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,09 |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    |    |
| Rump Angle            | 1,46  |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,13 |    |    |   |    |    |
| Fore Udder Attachment | -0,66 |    |    |   |    |    |
| Front Teat Placement  | -0,98 |    |    |   |    |    |
| Teat Length           | -0,33 |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | 0,58  |    |    |   |    |    |
| Central Ligament      | -0,35 |    |    |   |    |    |
| Udder Depth           | -1,21 |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,41  |    |    |   |    |    |
| Locomotion            | 0,26  |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,4 | <b>Frame</b>           | <b>-0,05</b> |
| 80,4 | <b>Dairy Strength</b>  | <b>0,38</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-0,13</b> |
| 74,5 | <b>Udder</b>           | <b>-1,05</b> |
|      | <b>SHI</b>             | <b>43,7</b>  |
|      | rank                   | 220.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>RICHTHOFEN</b> | <b>FR005633073200</b>             | <b>28.08.2000</b> | <b>BES-011</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.07.2002     |
|                   |                                   | FR                | 86806          |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN     |            | FR004486041658 |
| FR005694028588 | <b>PGD</b> | GAIA           |
|                |            | FR005691017484 |
| <b>Dam</b>     | <b>MGS</b> | GIBBON         |
| NOEMIE         |            | FR002991000305 |
| FR005697027813 | <b>MGD</b> | HOMELIE        |
|                |            | FR005692001308 |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.      | <b>690</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1031</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 236.        |
| <b>14515</b>                |            |           |           | <b>198</b> |            | <b>1</b> | <b>-0,14</b> | <b>11</b>  | <b>0,11</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,00</b> |
|                             |            |           |           |            |            |          |              | rank       | 540.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>43 / 12</b> | Daug. | <b>263</b> | 79,4 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,45</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 609.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,73 |    |    |   |    |    |
| Angularity            | -0,38 |    |    |   |    |    |
| Chest Width           | -0,22 |    |    |   |    |    |
| Body Depth            | -0,07 |    |    |   |    |    |
| Rump Angle            | 0,71  |    |    |   |    |    |
| Rear Legs Side View   | -0,70 |    |    |   |    |    |
| Foot Angle            | 0,13  |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | 0,87  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | 0,15  |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,65 |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | -0,80 |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>-0,94</b> |
| 79,4 | <b>Dairy Strength</b>  | <b>-0,99</b> |
| 80,6 | <b>Feet &amp; Legs</b> | <b>-0,01</b> |
| 78,0 | <b>Udder</b>           | <b>0,16</b>  |
|      | <b>SHI</b>             | <b>13,0</b>  |
|      | rank                   | 320.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JELLE</b>      | <b>NL000366966431</b>             | <b>02.12.2003</b> | <b>JRD-001</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.04.2004     |
|                   |                                   | NLD               | 112697         |

### Pedigree

|                      |            |                           |
|----------------------|------------|---------------------------|
| <b>Sire</b>          | <b>PGS</b> | MERCY PRIDEAUX-ET         |
| JA-BOB JORDAN-RED-ET |            | US000002135113            |
| US000017378279       | <b>PGD</b> | OHIANA MOM HANMAID-RED-ET |
|                      |            | US000015318707            |
| <b>Dam</b>           | <b>MGS</b> | LIGHTNING                 |
| SOUTH BELLE RED      |            | NL000170475222            |
| NL000351065305       | <b>MGD</b> | ABTSHOEVE BELLINI         |
|                      |            | NL000268107019            |

|                             |            |           |      |       |       |       |             |            |             |
|-----------------------------|------------|-----------|------|-------|-------|-------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25   | Daug. | 119   | Rel.  | 94 %        | <b>SPI</b> | -938        |
| Number controls             |            | <b>BV</b> | Milk | Fat   | %     | Prot. | %           | rank       | 629.        |
| <b>2815</b>                 |            |           | -249 | -13   | -0,07 | -4    | <b>0,08</b> | <b>SCS</b> | <b>3,44</b> |
|                             |            |           |      |       |       |       |             | rank       | 1063.       |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 8 | Daug. | 52 | 77,4 | Rel. | 79 % | <b>TYPE</b> | -0,45 |
|                  |             |       |        |       |    |      |      | rank | 610.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,95 |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,26 |    |    |   |    |    |
| Rump Angle            | 0,33  |    |    |   |    |    |
| Rear Legs Side View   | 0,40  |    |    |   |    |    |
| Foot Angle            | 0,38  |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | 0,33  |    |    |   |    |    |
| Teat Length           | -1,11 |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | -0,18 |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | -0,18 |    |    |   |    |    |
| Rump Width            | -0,18 |    |    |   |    |    |
| Rear Legs Rear View   | 0,88  |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | -0,09 |    |    |   |    |    |
| Body Condition        | -0,00 |    |    |   |    |    |

daught. average

79,5 **Frame** -1,24

78,0 **Dairy Strength** -0,85

78,0 **Feet & Legs** 0,48

75,5 **Udder** -0,12

**SHI** -46,5

rank 497.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>MERTENS-ET</b> | <b>DK003233800902</b> | <b>27.08.2003</b> | <b>LBL-004</b> |
| Country of origin | DK                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 28.01.2004     |
|                   |                       | DK                | 244232         |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | ETAZON LABELLE-ET |
| MERDRIGNAC     |            | NL000460942030    |
| FR002296001756 | <b>PGD</b> | HOTESSE           |
|                |            | FR002292022708    |
| <b>Dam</b>     | <b>MGS</b> | MANAT-ET          |
| L M LAURA      |            | DE002261530135    |
| DK003233800816 | <b>MGD</b> | L B MIA           |
|                |            | DK003233800762    |

MNL-004

|                             |            |           |           |            |            |           |             |             |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.      | <b>438</b> | Rel.      | <b>98 %</b> | <b>SPI</b>  | <b>1377</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | %           | rank        |
| <b>7031</b>                 |            |           |           | <b>202</b> |            | <b>22</b> |             | <b>0,26</b> | <b>174.</b> |
|                             |            |           |           |            |            | <b>8</b>  |             | <b>0,02</b> | <b>SCS</b>  |
|                             |            |           |           |            |            |           |             |             | rank        |
|                             |            |           |           |            |            |           |             |             | <b>2,98</b> |
|                             |            |           |           |            |            |           |             |             | rank        |
|                             |            |           |           |            |            |           |             |             | <b>504.</b> |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 5</b> | Daug. | <b>74</b> | 79,7 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,46</b> |
|                  |             |       |               |       |           |      |      |             | rank        | <b>611.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,20 |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,85 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | -0,47 |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | 0,21  |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | 0,55  |    |    |   |    |    |
| Udder Depth           | -0,94 |    |    |   |    |    |
| Rump Width            | -1,12 |    |    |   |    |    |
| Rear Legs Rear View   | 0,93  |    |    |   |    |    |
| Rear Teat Placement   | 0,54  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,77 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,6 | <b>Frame</b>           | <b>-2,05</b> |
| 80,2 | <b>Dairy Strength</b>  | <b>-0,83</b> |
| 82,6 | <b>Feet &amp; Legs</b> | <b>1,45</b>  |
| 76,9 | <b>Udder</b>           | <b>0,19</b>  |
|      | <b>SHI</b>             | <b>23,2</b>  |
|      | rank                   | <b>281.</b>  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                      |                   |                |
|------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number  | Birth date        | State Register |
| <b>JUNIPER PARK ET</b> | <b>CA00000402300</b> | <b>05.10.1988</b> | <b>CLE-016</b> |
| Country of origin      | CA                   | <b>Breed</b>      | H100           |
| Distributor            | Slovensko            | Herdbook          | HA             |
|                        |                      | Paternity         |                |

### Pedigree

|  |            |   |
|--|------------|---|
| <b>Sire</b>  | <b>PGS</b> | SWEET-HAVEN TRADITION<br>US000001682485   |
| BIS-MAY TRADITION CLEITUS<br>US000001879085<br>CLE-003 | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL<br>US000010192628 |
| <b>Dam</b>   | <b>MGS</b> | GLENDELL ARLINDA CHIEF<br>US000001556373  |
| HOLTEX GLENDELL PEGGY<br>US000010182353                | <b>MGD</b> | HOLTEX JEWEL PEGGY<br>US000008598308      |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>273</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-2671</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %           | Prot.      | %            |
| <b>5588</b>                 |            |           |           | <b>-520</b> |            | <b>-21</b> |             | <b>-21</b> | <b>-0,13</b> |
|                             |            |           |           |             |            |            |             | <b>SCS</b> | <b>3,48</b>  |
|                             |            |           |           |             |            |            |             | rank       | 1013.        |
|                             |            |           |           |             |            |            |             | rank       | 1095.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 5</b> | Daug. | <b>51</b> | 76,5 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-0,46</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 612.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | -0,30 |    |    |   |    |    |
| Chest Width           | 0,77  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | 0,56  |    |    |   |    |    |
| Rear Legs Side View   | 0,89  |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | -0,83 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | -0,35 |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | -0,95 |    |    |   |    |    |
| Udder Depth           | -1,01 |    |    |   |    |    |
| Rump Width            | -0,20 |    |    |   |    |    |
| Rear Legs Rear View   | -0,64 |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,3 | <b>Frame</b>           | <b>0,42</b>  |
| 74,2 | <b>Dairy Strength</b>  | <b>0,63</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-0,53</b> |
| 75,7 | <b>Udder</b>           | <b>-0,93</b> |
|      | <b>SHI</b>             | <b>-99,0</b> |
|      | rank                   | 602.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>HOMERUN-ET</b> | <b>CZ000024033061</b>             | <b>30.01.2003</b> | <b>MUR-001</b> |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 31.07.2003     |
|                   |                                   | CSK               | 0301128        |

### Pedigree

**Sire** **PGS** LUTZ-MEADOWS E MANDEL-ET  
MURANDA MANDEL MOE-ET  
US000002286327  
**PGD** LAURA-LE TESK MARY-ET  
US000014814683

**Dam** **MGS** WA-DEL CONVINCER-ET  
MOROVILLE CONVIN BARB-ET  
US00012989943  
US000002249055 **ELN-002**  
**MGD** MOROVILLE PRESCOTT BEATRICE  
US000017164981

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>33</b> | Daug.       | <b>103</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>-541</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 540.        |
| <b>2165</b>                 |            |           |           | <b>-162</b> |            | <b>2</b>  | <b>0,14</b>  | <b>SCS</b> | <b>3,16</b> |
|                             |            |           |           |             |            | <b>-6</b> | <b>-0,02</b> | rank       | 731.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 11</b> | Daug. | <b>28</b> | 77,4 | Rel. | <b>68 %</b> | <b>TYPE</b> | <b>-0,46</b> |
|                  |             |       |                |       |           |      |      | rank        | 613.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,33 |    |    |   |    |    |
| Angularity            | -0,73 |    |    |   |    |    |
| Chest Width           | -0,25 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -1,30 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | 0,36  |    |    |   |    |    |
| Fore Udder Attachment | 0,79  |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | 0,12  |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | -0,18 |    |    |   |    |    |
| Central Ligament      | -0,54 |    |    |   |    |    |
| Udder Depth           | 0,04  |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | 0,61  |    |    |   |    |    |
| Rear Teat Placement   | 0,46  |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

daught. average

78,9 **Frame** **-0,94**

75,6 **Dairy Strength** **-2,46**

77,4 **Feet & Legs** **0,61**

77,3 **Udder** **0,48**

**SHI** **-34,7**

rank 465.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                                   |                   |                       |
|----------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>PRIDE BLACK ROXSTAR</b> | <b>US000002148440</b>             | <b>02.10.1990</b> | <b>BS-038</b>         |
| Country of origin          | US                                | <b>Breed</b>      | H100                  |
| Distributor                | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                            |                                   | Paternity         | 20.05.1991            |
|                            |                                   | USA               | IG155262B             |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | EXRANCO THOR             |
| PRIDE THOR ROXETTE  |            | US000001883228           |
| US000013690697      | <b>MGD</b> | PRIDE NED BOY,RACQUEL    |
|                     |            | US000013380123           |

|                             |            |           |           |             |            |              |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>116</b> | Rel.         | <b>94 %</b> | <b>SPI</b> | <b>-2385</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.        |             | rank       | 952.         |
| <b>2123</b>                 |            |           |           | <b>-397</b> | <b>-18</b> | <b>-0,07</b> | <b>-21</b>  | <b>SCS</b> | <b>2,88</b>  |
|                             |            |           |           |             |            |              |             | rank       | 373.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 7</b> | Daug. | <b>19</b> | 77,1 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>-0,46</b> |
|                  |             |       |               |       |           |      |      | rank        | 614.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,30 |    |    | ■ |    |    |
| Angularity            | 0,16  |    |    | ■ |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,62  |    |    | ■ | ■  |    |
| Rump Angle            | -0,18 |    |    | ■ |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | 0,40  |    |    | ■ |    |    |
| Fore Udder Attachment | -0,27 |    |    | ■ |    |    |
| Front Teat Placement  | 0,40  |    |    | ■ |    |    |
| Teat Length           | -0,64 |    | ■  | ■ |    |    |
| Rear Udder Height     | -0,84 |    | ■  | ■ |    |    |
| Rear Udder Width      | -0,90 |    | ■  | ■ |    |    |
| Central Ligament      | -0,40 |    |    | ■ |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,41  |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,89 |    | ■  | ■ |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,40 |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,2 | <b>Frame</b>           | <b>0,03</b>  |
| 73,7 | <b>Dairy Strength</b>  | <b>0,84</b>  |
| 77,8 | <b>Feet &amp; Legs</b> | <b>-0,41</b> |
| 75,9 | <b>Udder</b>           | <b>-0,94</b> |
|      | <b>SHI</b>             | <b>-90,4</b> |
|      | rank                   | 592.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>MR LOMAX-RED-ET</b> | <b>US000132329547</b>             | <b>10.01.2002</b> | <b>BW-030</b>  |
| Country of origin      | US                                | <b>Breed</b>      | R100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 23.03.2006     |
|                        |                                   | US                | M06014493      |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| B-HIDDENHILLS MAR MARMAX-ET |            | US000002290977              |
| US000126853007              | <b>PGD</b> | NEYER MOMENTUM MAXY-ET      |
| BW-034                      |            | US000015361293              |
| <b>Dam</b>                  | <b>MGS</b> | ETAZON CELSIUS-ET           |
| MISS CELCIUS LORENA         |            | NL000460508522              |
| US000017267176              | <b>MGD</b> | ROTHROCK LEADER LEIAL-ET    |
|                             |            | US000015478506              |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>32</b> | Daug.      | <b>239</b> | Rel.     | <b>97 %</b>  | <b>SPI</b> | <b>2228</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | Prot.      | %            |
| <b>5126</b>                 |            |           |           | <b>761</b> |            | <b>6</b> | <b>-0,39</b> | <b>16</b>  | <b>-0,16</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,37</b>  |
|                             |            |           |           |            |            |          |              | rank       | 1003.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>15</b> | 77,3 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>-0,47</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 615.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | -0,49 |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | 0,53  |    |    |   |    |    |
| Front Teat Placement  | 0,57  |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,59  |    |    |   |    |    |
| Rear Udder Width      | 0,76  |    |    |   |    |    |
| Central Ligament      | -0,31 |    |    |   |    |    |
| Udder Depth           | -0,86 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,1 | <b>Frame</b>           | <b>-0,90</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,98</b> |
| 76,5 | <b>Feet &amp; Legs</b> | <b>-0,44</b> |
| 76,0 | <b>Udder</b>           | <b>0,59</b>  |
|      | <b>SHI</b>             | <b>48,6</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CYRIL-ET</b>   | <b>CZ000103593191</b>             | <b>16.03.1998</b> | <b>ERY-001</b> |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.04.1999     |
|                   |                                   | CSK               | 4704/31        |

### Pedigree

|                        |            |                               |         |
|------------------------|------------|-------------------------------|---------|
| <b>Sire</b>            | <b>PGS</b> | MADAWASKA AEROSTAR            |         |
| PEN-COL EMERY-ET       |            | CA000000383622                | STB-011 |
| US000002174868         | <b>PGD</b> | MIKAL ROTATE EULA-ET          |         |
|                        |            | US000013804086                |         |
| <b>Dam</b>             | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| TAYACRES MASCOT PAMELA |            | US000002020049                | NBY-011 |
| US000014819789         | <b>MGD</b> | TAYACRES MARK PEEP            |         |
|                        |            | US000013402349                |         |

|                             |            |           |    |            |     |          |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug.      | 110 | Rel.     | 93 %         | <b>SPI</b> | 1218         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat      | %            | Prot.      | %            |
| <b>2081</b>                 |            |           |    | <b>354</b> |     | <b>7</b> | <b>-0,14</b> | <b>9</b>   | <b>-0,06</b> |
|                             |            |           |    |            |     |          |              | <b>SCS</b> | 3,15         |
|                             |            |           |    |            |     |          |              | rank       | 204.         |
|                             |            |           |    |            |     |          |              | rank       | 726.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 9 | Daug. | 20 | 77,2 | Rel. | 62 % | <b>TYPE</b> | -0,47 |
|                  |             |       |        |       |    |      |      |      | rank        | 616.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,62 |    |    |   |    |    |
| Angularity            | 0,26  |    |    |   |    |    |
| Chest Width           | -0,31 |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | -0,21 |    |    |   |    |    |
| Rear Legs Side View   | 0,72  |    |    |   |    |    |
| Foot Angle            | -0,97 |    |    |   |    |    |
| Fore Udder Attachment | -0,27 |    |    |   |    |    |
| Front Teat Placement  | -0,54 |    |    |   |    |    |
| Teat Length           | -0,60 |    |    |   |    |    |
| Rear Udder Height     | -0,28 |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | 0,17  |    |    |   |    |    |
| Rear Legs Rear View   | 0,68  |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | -0,38 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,3 | <b>Frame</b>           | <b>-0,94</b> |
| 77,3 | <b>Dairy Strength</b>  | <b>0,24</b>  |
| 77,0 | <b>Feet &amp; Legs</b> | <b>-0,99</b> |
| 76,5 | <b>Udder</b>           | <b>0,03</b>  |
|      | <b>SHI</b>             | <b>18,0</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>J&amp;G TIMELESS</b> | <b>NL000447519347</b>             | <b>18.04.2006</b> | <b>SNR-007</b> |
| Country of origin       | NL                                | <b>Breed</b>      | R100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 30.08.2007     |
|                         |                                   | NL                | 160418         |

### Pedigree

|                |            |                             |
|----------------|------------|-----------------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA SPARTA                |
| DELTA CANVAS   |            | NL000137409985              |
| NL000288458773 | <b>PGD</b> | DELTA CANBERRA              |
|                |            | NL000141317243              |
| <b>Dam</b>     | <b>MGS</b> | LA PRESENTATION DOMINO-ET   |
| TEATIME-ET     |            | CA000006928149              |
| DE000579888332 | <b>MGD</b> | HICKORYMEA CLI TES P-RED-ET |
|                |            | US000129008200              |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>25</b> | Daug.      | <b>533</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>781</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 283.         |
| <b>4400</b>                 |            |           |           | <b>302</b> |            | <b>-1</b> | <b>-0,24</b> | <b>6</b>   | <b>-0,07</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |            |            |           |              | rank       | 611.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>26</b> | 80,3 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>-0,47</b> |
|                  |             |       |              |       |           |      |      | rank        | 617.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,67 |    |    |   |    |    |
| Rump Angle            | 0,54  |    |    |   |    |    |
| Rear Legs Side View   | -0,37 |    |    |   |    |    |
| Foot Angle            | -0,15 |    |    |   |    |    |
| Fore Udder Attachment | 0,82  |    |    |   |    |    |
| Front Teat Placement  | -0,77 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | 0,41  |    |    |   |    |    |
| Rear Udder Width      | -0,49 |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | 0,92  |    |    |   |    |    |
| Rump Width            | -1,02 |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | -0,59 |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | -0,79 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,7 | <b>Frame</b>           | <b>-0,82</b> |
| 80,8 | <b>Dairy Strength</b>  | <b>-0,65</b> |
| 80,2 | <b>Feet &amp; Legs</b> | <b>-0,88</b> |
| 78,7 | <b>Udder</b>           | <b>0,19</b>  |
|      | <b>SHI</b>             | <b>4,7</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BRANDY ET</b>  | <b>DE00000392007</b>       | <b>08.07.1990</b> | <b>BS-020</b>         |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         |                       |

### Pedigree

|                       |            |                          |
|-----------------------|------------|--------------------------|
| <b>Sire</b>           | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET   |            | US000001723741           |
| US000001929410        | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002               |            | US000009804790           |
| <b>Dam</b>            | <b>MGS</b> | ARLINDA ROTATE           |
| SONLIGHT ROTATE JELLO |            | US000001697572           |
| US0000011991519       | <b>MGD</b> | BELL JADE                |
|                       |            | US0000011131617          |

|                             |            |           |            |             |             |           |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>138</b> | Daug.       | <b>1909</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-1094</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |              | rank       | 669.         |
| <b>35788</b>                |            |           |            | <b>-222</b> |             | <b>-6</b> | <b>0,03</b>  | <b>SCS</b> | <b>3,40</b>  |
|                             |            |           |            |             |             | <b>-1</b> | <b>-0,07</b> | rank       | 1024.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 9</b> | Daug. | <b>103</b> | 76,7 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,48</b> |
|                  |             |       |               |       |            |      |      | rank        | 618.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,15 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | -0,84 |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | -0,57 |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | 0,25  |    |    |   |    |    |
| Front Teat Placement  | -0,43 |    |    |   |    |    |
| Teat Length           | 0,67  |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | -0,56 |    |    |   |    |    |
| Central Ligament      | 0,23  |    |    |   |    |    |
| Udder Depth           | 0,72  |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | 0,43  |    |    |   |    |    |
| Rear Teat Placement   | -0,58 |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,1 | <b>Frame</b>           | <b>-0,55</b> |
| 74,0 | <b>Dairy Strength</b>  | <b>-0,83</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,49</b>  |
| 76,1 | <b>Udder</b>           | <b>-0,14</b> |
|      | <b>SHI</b>             | <b>-52,1</b> |
|      | rank                   | 511.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |                   |                |
|-----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date        | State Register |
| <b>LA PRESENTATION, MANNIX ET</b> | <b>CA000005212707</b> | <b>11.10.1990</b> | <b>BS-025</b>  |
| Country of origin                 | CA                    | <b>Breed</b>      | H100           |
| Distributor                       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                   |                       | Paternity         | 05.12.1990     |
|                                   |                       | CAN               | 235062         |

### Pedigree

|                          |                |                            |
|--------------------------|----------------|----------------------------|
| <b>Sire</b>              | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN   |
| TO-MAR BLACKSTAR-ET      | US000001723741 | ADM-008                    |
| US000001929410           | <b>PGD</b>     | TO-MAR WAYNE HAY           |
| CHR-002                  | US000009804790 |                            |
| <b>Dam</b>               | <b>MGS</b>     | HANOVER-HILL SWD DAGGER-ET |
| DE LA PRESENTATION MISSY | CA000000362965 |                            |
| CA000004526896           | <b>MGD</b>     | DE LA PRESENTATION LIMA    |
|                          | CA000004111972 |                            |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>420</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-2028</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 881.         |
| <b>8144</b>                 |            |           |           | <b>-468</b> |            | <b>-10</b> | <b>0,14</b>  | <b>SCS</b> | <b>3,30</b>  |
|                             |            |           |           |             |            | <b>-17</b> | <b>-0,07</b> | rank       | 910.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>35</b> | 75,8 | Rel. | <b>78 %</b> | <b>TYPE</b> | <b>-0,48</b> |
|                  |             |       |              |       |           |      |      | rank        | 619.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,57 |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | -0,47 |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | -0,18 |    |    |   |    |    |
| Rear Legs Side View   | 0,16  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | -0,21 |    |    |   |    |    |
| Front Teat Placement  | 0,67  |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | 0,10  |    |    |   |    |    |
| Udder Depth           | -0,63 |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | -0,79 |    |    |   |    |    |
| Rear Teat Placement   | 0,02  |    |    |   |    |    |
| Locomotion            | -0,41 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,5 | <b>Frame</b>           | <b>-1,05</b> |
| 74,0 | <b>Dairy Strength</b>  | <b>1,20</b>  |
| 75,5 | <b>Feet &amp; Legs</b> | <b>-1,46</b> |
| 75,1 | <b>Udder</b>           | <b>0,13</b>  |
|      | <b>SHI</b>             | <b>-80,4</b> |
|      | rank                   | 575.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>PETER-ET</b>   | <b>DE000021329810</b> | <b>14.04.1993</b> | <b>PEL-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                       |            |                            |
|-----------------------|------------|----------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET |            | CA000000352790             |
| CA000000392457        | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016               |            | US000009739109             |
| <b>Dam</b>            | <b>MGS</b> | ANKER                      |
| PAOLA                 |            | DE009010369937             |
| DE001020630837        | <b>MGD</b> | PETRA 16                   |
|                       |            | DE001020226892             |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>62</b> | Daug.       | <b>225</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-2719</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1023.        |
| <b>4784</b>                 |            |           |           | <b>-718</b> |            | <b>-16</b> | <b>0,24</b> | <b>SCS</b> | <b>3,28</b>  |
|                             |            |           |           |             |            | <b>-20</b> | <b>0,05</b> | rank       | 886.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 8</b> | Daug. | <b>18</b> | 75,6 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>-0,48</b> |
|                  |             |       |              |       |           |      |      | rank        | 620.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | -0,48 |    |    |   |    |    |
| Chest Width           | 0,26  |    |    |   |    |    |
| Body Depth            | 0,61  |    |    |   |    |    |
| Rump Angle            | -0,23 |    |    |   |    |    |
| Rear Legs Side View   | -1,00 |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | -0,54 |    |    |   |    |    |
| Front Teat Placement  | -0,41 |    |    |   |    |    |
| Teat Length           | -0,97 |    |    |   |    |    |
| Rear Udder Height     | -0,75 |    |    |   |    |    |
| Rear Udder Width      | -0,60 |    |    |   |    |    |
| Central Ligament      | -0,55 |    |    |   |    |    |
| Udder Depth           | -0,34 |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | 1,13  |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | 0,31  |    |    |   |    |    |
| Body Condition        | 0,82  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 76,3 | <b>Frame</b>           | <b>0,21</b>   |
| 72,7 | <b>Dairy Strength</b>  | <b>-0,18</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,96</b>   |
| 74,8 | <b>Udder</b>           | <b>-1,53</b>  |
|      | <b>SHI</b>             | <b>-101,3</b> |
|      | rank                   | 607.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>MIRACULIX-ET</b> | <b>DE000351002741</b> | <b>16.03.2007</b> | <b>BW-039</b>  |
| Country of origin   | DE                    | <b>Breed</b>      | H100           |
| Distributor         | INSEMAS s.r.o.        | Herdbook          | HA             |
|                     |                       | Paternity         | 22.06.2007     |
|                     |                       | DE                | 07/39537       |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| LADYS-MANOR REMINGTON-ET |            | US000002290977              |
| US000131849507           | <b>PGD</b> | LADYS-MANOR RUBY JEN        |
|                          |            | US000122267271              |
| <b>Dam</b>               | <b>MGS</b> | TIDY-BROOK J STEVEN TCG-ET  |
| WEH OTELLA               |            | US000002282997              |
| DE000346612620           | <b>MGD</b> | WEH OLLY                    |
|                          |            | DE000341636157              |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>143</b> | Rel.      | <b>95 %</b> | <b>SPI</b> | <b>127</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 402.        |
| <b>2965</b>                 |            |           |           | <b>-388</b> |            | <b>23</b> | <b>0,76</b> | <b>SCS</b> | <b>2,62</b> |
|                             |            |           |           |             |            | <b>1</b>  | <b>0,29</b> | rank       | 133.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 5</b> | Daug. | <b>27</b> | 78,7 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>-0,48</b> |
|                  |             |       |              |       |           |      |      | rank        | 621.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,34  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | 0,91  |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,20 |    |    |   |    |    |
| Front Teat Placement  | 0,81  |    |    |   |    |    |
| Teat Length           | -0,86 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | -0,48 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,37  |    |    |   |    |    |
| Rump Width            | 0,33  |    |    |   |    |    |
| Rear Legs Rear View   | 0,19  |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | 0,09  |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,6 | <b>Frame</b> | <b>0,21</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,4 | <b>Dairy Strength</b> | <b>-0,39</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,1 | <b>Feet &amp; Legs</b> | <b>-0,45</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,6 | <b>Udder</b> | <b>-0,57</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-15,5</b> |
|--|------------|--------------|

rank 417.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>SBS LUKE LUKAS-ET</b> | <b>SK000070006852</b>             | <b>31.03.1996</b> | <b>LU-006</b>  |
| Country of origin        | SK                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 24.10.1996     |
|                          |                                   | SVK               | 0218/20        |

### Pedigree

|                              |            |                             |
|------------------------------|------------|-----------------------------|
| <b>Sire</b>                  | <b>PGS</b> | BIS-MAY TRADITION CLEITUS   |
| NORRIELAKE CLEITUS LUKE-TWIN |            | US000001879085              |
| US000002071864               |            | CLE-003                     |
| CLE-005                      | <b>PGD</b> | NORRIELAKE VALIANT CHEER-ET |
|                              |            | US000012365669              |
| <b>Dam</b>                   | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE   |
| LONG-HAVEN SOUTH SUGAR-ET    |            | US000001964484              |
| US000014145056               |            | BEL-001                     |
|                              | <b>MGD</b> | LONG-HAVEN BOVA SAMARA-ET   |
|                              |            | US000012040197              |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 54 | Daug. | 143 | Rel. | 95 % | <b>SPI</b> | -685  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>3051</b>                 |            |           |    | -155  |     | -3   | 0,05 | -6         | -0,04 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,77  |
|                             |            |           |    |       |     |      |      | rank       | 572.  |
|                             |            |           |    |       |     |      |      | rank       | 259.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 8 | Daug. | 19 | 75,7 | Rel. | 63 % | <b>TYPE</b> | -0,49 |
|                  |             |       |       |       |    |      |      |      | rank        | 622.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,28 |    |    |   |    |    |
| Angularity            | 0,01  |    |    |   |    |    |
| Chest Width           | -0,76 |    |    |   |    |    |
| Body Depth            | -0,52 |    |    |   |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | -0,11 |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,52 |    |    |   |    |    |
| Central Ligament      | 0,54  |    |    |   |    |    |
| Udder Depth           | -0,30 |    |    |   |    |    |
| Rump Width            | 0,05  |    |    |   |    |    |
| Rear Legs Rear View   | 0,88  |    |    |   |    |    |
| Rear Teat Placement   | -0,35 |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | 0,35  |    |    |   |    |    |

daught. average

77,7 **Frame** -0,91

73,8 **Dairy Strength** -1,01

76,5 **Feet & Legs** 0,05

75,1 **Udder** -0,24

**SHI** -40,2

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>AQUILA MAJIC LUPIN-ET</b> | <b>IT000912027740</b> | <b>19.05.1997</b> | <b>BS-046</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | IT                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 18.12.1997 |
|                   |                                   | ITA          | 96         |

### Pedigree

|                             |            |                               |         |
|-----------------------------|------------|-------------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | TO-MAR BLACKSTAR-ET           |         |
| END-ROAD BLACKSTAR MAJIC-ET |            | US000001929410                | CHR-002 |
| US000002119660              | <b>PGD</b> | END-ROAD MARK MICKEY          |         |
|                             |            | US000012551048                |         |
| <b>Dam</b>                  | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |         |
| AQUILA MASCOT DOTTIE-ET TL  |            | US000002020049                | NBY-011 |
| IT000908005924              | <b>MGD</b> | IT000906038351                |         |

|                             |            |           |            |           |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|-----------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>120</b> | Daug.     | <b>1565</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>254</b>  |
| Number controls             |            | <b>BV</b> |            | Milk      |             | Fat       | %            | Prot.      | %           |
| <b>30181</b>                |            |           |            | <b>92</b> |             | <b>-7</b> | <b>-0,20</b> | <b>5</b>   | <b>0,04</b> |
|                             |            |           |            |           |             |           |              | <b>SCS</b> | <b>3,08</b> |
|                             |            |           |            |           |             |           |              | rank       | 380.        |
|                             |            |           |            |           |             |           |              | rank       | 635.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 20</b> | Daug. | <b>141</b> | 78,2 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-0,49</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 623.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,22  |    |    |   |    |    |
| Angularity            | -0,70 |    |    |   |    |    |
| Chest Width           | 1,06  |    |    |   |    |    |
| Body Depth            | 1,09  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | -0,01 |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | -0,68 |    |    |   |    |    |
| Teat Length           | -0,13 |    |    |   |    |    |
| Rear Udder Height     | -0,88 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,75 |    |    |   |    |    |
| Udder Depth           | -1,07 |    |    |   |    |    |
| Rump Width            | 0,71  |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | -0,57 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,2 | <b>Frame</b> | <b>1,00</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,5 | <b>Dairy Strength</b> | <b>-0,10</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,8 | <b>Feet &amp; Legs</b> | <b>0,26</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 75,7 | <b>Udder</b> | <b>-2,06</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-11,9</b> |
|--|------------|--------------|

rank 396.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>CELIM-ET</b>   | <b>DE000340969067</b>             | <b>03.04.1996</b> | <b>CES-003</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 26.04.1996            |
|                   |                                   | DEU               | 96/6792               |

### Pedigree

|                   |            |                              |
|-------------------|------------|------------------------------|
| <b>Sire</b>       | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| ETAZON CELSIUS-ET |            | US000001874634               |
| NL000460508522    | <b>PGD</b> | WEA-LAND BELL ELLA           |
|                   |            | US000012105357               |
| <b>Dam</b>        | <b>MGS</b> | CYPRESS-HILL LABAN-ET        |
| MAIGLUCK          |            | US000001926224               |
| DE001015148178    | <b>MGD</b> | MAIROSE                      |
|                   |            | DE001015020455               |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>63</b> | Daug.       | <b>919</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-301</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 485.        |
| <b>18589</b>                |            |           |           | <b>-213</b> |            | <b>-2</b> | <b>0,12</b> | <b>SCS</b> | <b>3,69</b> |
|                             |            |           |           |             |            | <b>1</b>  | <b>0,16</b> | rank       | 1194.       |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>33 / 9</b> | Daug. | <b>146</b> | 78,5 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-0,49</b> |
|                  |             |       |               |       |            |      |      | rank        | 624.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,07 |    |    |   |    |    |
| Angularity            | 0,47  |    |    |   |    |    |
| Chest Width           | -1,20 |    |    |   |    |    |
| Body Depth            | -1,45 |    |    |   |    |    |
| Rump Angle            | -0,75 |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | 0,58  |    |    |   |    |    |
| Front Teat Placement  | -0,84 |    |    |   |    |    |
| Teat Length           | 1,21  |    |    |   |    |    |
| Rear Udder Height     | 1,10  |    |    |   |    |    |
| Rear Udder Width      | 0,45  |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | 0,66  |    |    |   |    |    |
| Rump Width            | -0,42 |    |    |   |    |    |
| Rear Legs Rear View   | -0,91 |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>-2,16</b> |
| 78,4 | <b>Dairy Strength</b>  | <b>-0,81</b> |
| 79,3 | <b>Feet &amp; Legs</b> | <b>0,71</b>  |
| 77,5 | <b>Udder</b>           | <b>0,87</b>  |
|      | <b>SHI</b>             | <b>-28,7</b> |
|      | rank                   | 454.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |              |                |
|----------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date   | State Register |
| <b>LATERA BENCHMARK JOHAN-ET</b> | <b>SK000021310055</b> | 21.11.1995   | <b>BEK-002</b> |
| Country of origin                | SK                    | <b>Breed</b> | H100           |
| Distributor                      |                       | Herdbook     | HA             |
|                                  |                       | Paternity    |                |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| SINGING-BROOK BENCHMARK-ET |            | US000001879149                |
| US000002078290             | <b>PGD</b> | PACLAMAR MARIETTA BOWS        |
| MEW-001                    |            | US000012178426                |
| <b>Dam</b>                 | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| EVER-GREEN-VIEW JELLY-ET   |            | US000002020049                |
| US000015060872             | <b>MGD</b> | BAY-ROAD CLEITUS PLUM-ET      |
|                            |            | US000013613699                |

|                             |            |           |    |       |     |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug. | 103 | Rel. | 93 %  | <b>SPI</b> | -1225       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  |       | rank       | 694.        |
| <b>1830</b>                 |            |           |    | -267  |     | -2   | 0,14  | <b>SCS</b> | <b>3,26</b> |
|                             |            |           |    |       |     | -12  | -0,10 | rank       | 870.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 9 | Daug. | 22 | 76,8 | Rel. | 66 % | <b>TYPE</b> | -0,49 |
|                  |             |       |        |       |    |      |      | rank | 625.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | -0,23 |    |    |   |    |    |
| Chest Width           | 0,12  |    |    |   |    |    |
| Body Depth            | 0,85  |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -1,05 |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | 0,70  |    |    |   |    |    |
| Rear Udder Height     | -0,89 |    |    |   |    |    |
| Rear Udder Width      | -0,60 |    |    |   |    |    |
| Central Ligament      | -0,26 |    |    |   |    |    |
| Udder Depth           | -0,59 |    |    |   |    |    |
| Rump Width            | -0,08 |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | -0,44 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,30 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>0,81</b>  |
| 74,4 | <b>Dairy Strength</b>  | <b>-0,09</b> |
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,18</b>  |
| 75,0 | <b>Udder</b>           | <b>-1,41</b> |
|      | <b>SHI</b>             | <b>-56,7</b> |
|      | rank                   | 523.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>MAIZEFIELD BELLWOOD-ET</b> | <b>US000002103297</b>             | <b>19.05.1989</b> | <b>MEW-004</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 28.09.1989     |
|                               |                                   | US                | IG129679A      |

### Pedigree

|                     |            |                       |
|---------------------|------------|-----------------------|
| <b>Sire</b>         | <b>PGS</b> | ARLINDA ROTATE        |
| ARLINDA MELWOOD-ET  |            | US000001697572        |
| US000001879149      | <b>PGD</b> | ARLINDA COMBI MELODY  |
|                     |            | US000009311697        |
| <b>Dam</b>          | <b>MGS</b> | CARLIN-M IVANHOE BELL |
| BREN-WAY BELL BETSY |            | US000001667366        |
| US0000012052401     | <b>MGD</b> | BREN-WAY TONY BESSIE  |
|                     |            | US0000011302033       |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>223</b> | Daug.      | <b>4119</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>2135</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |              | rank       | 88.         |
| <b>79181</b>                |            |           |            | <b>629</b> |             | <b>18</b> | <b>-0,11</b> | <b>SCS</b> | <b>2,94</b> |
|                             |            |           |            |            |             | <b>12</b> | <b>-0,15</b> | rank       | 456.        |

|                  |             |       |                 |       |             |      |      |             |             |              |
|------------------|-------------|-------|-----------------|-------|-------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>268 / 61</b> | Daug. | <b>1663</b> | 77,6 | Rel. | <b>99 %</b> | <b>TYPE</b> | <b>-0,49</b> |
|                  |             |       |                 |       |             |      |      | rank        | 626.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,98  |    |    |   |    |    |
| Angularity            | -0,36 |    |    |   |    |    |
| Chest Width           | -0,64 |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,87  |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | -0,71 |    |    |   |    |    |
| Front Teat Placement  | -0,79 |    |    |   |    |    |
| Teat Length           | 0,96  |    |    |   |    |    |
| Rear Udder Height     | -0,10 |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | 0,01  |    |    |   |    |    |
| Udder Depth           | -1,63 |    |    |   |    |    |
| Rump Width            | -0,63 |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | -1,03 |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

daught. average

80,9 **Frame** **0,70**

76,6 **Dairy Strength** **-1,34**

78,0 **Feet & Legs** **0,21**

76,2 **Udder** **-1,05**

**SHI** **44,6**

rank 217.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                                   |                   |                |
|------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number               | Birth date        | State Register |
| <b>J &amp; G TONUS</b> | <b>NL000385656582</b>             | <b>30.09.2004</b> | <b>BW-048</b>  |
| Country of origin      | NL                                | <b>Breed</b>      | R100           |
| Distributor            | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                        |                                   | Paternity         | 03.01.2005     |
|                        |                                   | NL                | 121546         |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | MARA-THON BW MARSHALL-ET TV |
| B-HIDDENHILLS MAR MARMAX-ET |            | US000002290977              |
| US000126853007              | <b>PGD</b> | NEYER MOMENTUM MAXY-ET      |
| BW-034                      |            | US000015361293              |
| <b>Dam</b>                  | <b>MGS</b> | RUBENS                      |
| J & G TRILUX 7              |            | DE000577182316              |
| NL000338450812              | <b>MGD</b> | TRILUX                      |
|                             |            | DE000578281109              |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>40</b> | Daug.      | <b>899</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>776</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 286.        |
| <b>11274</b>                |            |           |           | <b>-58</b> |            | <b>10</b> | <b>0,22</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |            |            | <b>9</b>  | <b>0,24</b> | rank       | 653.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 9</b> | Daug. | <b>198</b> | 79,9 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,50</b> |
|                  |             |       |               |       |            |      |      | rank        | 627.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,35  |    |    |   |    |    |
| Angularity            | -1,03 |    |    |   |    |    |
| Chest Width           | 0,12  |    |    |   |    |    |
| Body Depth            | 0,28  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,41 |    |    |   |    |    |
| Foot Angle            | 0,70  |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | -0,11 |    |    |   |    |    |
| Rear Udder Height     | -0,56 |    |    |   |    |    |
| Rear Udder Width      | 0,13  |    |    |   |    |    |
| Central Ligament      | -0,80 |    |    |   |    |    |
| Udder Depth           | -1,44 |    |    |   |    |    |
| Rump Width            | 0,39  |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | 0,50  |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,2 | <b>Frame</b>           | <b>0,69</b>  |
| 80,0 | <b>Dairy Strength</b>  | <b>-2,06</b> |
| 82,8 | <b>Feet &amp; Legs</b> | <b>2,38</b>  |
| 76,2 | <b>Udder</b>           | <b>-1,72</b> |
|      | <b>SHI</b>             | <b>3,6</b>   |
|      | rank                   | 355.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TADEUS</b>     | <b>DE001402499359</b>             | <b>24.04.2005</b> | <b>TUL-005</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 13.01.2006     |
|                   |                                   | DE                | 05/6369        |

### Pedigree

|                |            |                             |
|----------------|------------|-----------------------------|
| <b>Sire</b>    | <b>PGS</b> | SUBLIEM TULIP RED           |
| TAECKS         |            | NL000815222426              |
| DE000111441331 | <b>PGD</b> | TANJA                       |
|                |            | DE000108567613              |
| <b>Dam</b>     | <b>MGS</b> | STARSTRUCK J PARADOX-RED-ET |
| JENNA          |            | US000017286871              |
| DE001401848355 | <b>MGD</b> | JANINA                      |
|                |            | DE001401124587              |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.       | <b>346</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>-1109</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %            |
| <b>6673</b>                 |            |           |           | <b>-566</b> |            | <b>11</b> | <b>0,66</b> | <b>-9</b>  | <b>0,19</b>  |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,78</b>  |
|                             |            |           |           |             |            |           |             | rank       | 675.         |
|                             |            |           |           |             |            |           |             | rank       | 264.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 10</b> | Daug. | <b>59</b> | 78,5 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,51</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 628.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | -0,58 |    |    |   |    |    |
| Chest Width           | 0,20  |    |    |   |    |    |
| Body Depth            | 0,78  |    |    |   |    |    |
| Rump Angle            | -0,70 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | -0,67 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 0,35  |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | 0,27  |    |    |   |    |    |
| Central Ligament      | -0,60 |    |    |   |    |    |
| Udder Depth           | 0,49  |    |    |   |    |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | 0,44  |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,2 | <b>Frame</b>           | <b>-0,21</b> |
| 79,2 | <b>Dairy Strength</b>  | <b>-0,36</b> |
| 78,6 | <b>Feet &amp; Legs</b> | <b>-1,50</b> |
| 76,8 | <b>Udder</b>           | <b>-0,02</b> |
|      | <b>SHI</b>             | <b>-53,7</b> |
|      | rank                   | 514.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                    |                       |            |                |
|--------------------|-----------------------|------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date | State Register |
| <b>BOS RIPP ET</b> | <b>NL000134583743</b> | 16.11.1988 | <b>MOH-001</b> |
| Country of origin  | Breed                 |            | H100           |
| NL                 | Herdbook              |            | HA             |
| Distributor        | Paternity             |            |                |

### Pedigree

|                                |            |                             |
|--------------------------------|------------|-----------------------------|
| <b>Sire</b>                    | <b>PGS</b> | LIME-HOLLOW ASTRON.,MONARCH |
| RIPVALLEY MONARCH,NA-TONY-TWIN |            | US000001596723              |
| US000001844239                 | <b>PGD</b> | RIPVALLEY KNIGHT NATALIE    |
|                                |            | US000008459746              |
| <b>Dam</b>                     | <b>MGS</b> | CARLIN-MAYER CAPRIE-ET      |
| BOS ODIUM ET                   |            | US000001833269              |
| NL000133726239                 | <b>MGD</b> | BOS KEN ROYAL               |
|                                |            | NL000703467117              |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 55 | Daug. | 372 | Rel. | 98 % | <b>SPI</b> | -1616 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | rank       | 791.  |
| 7246                        |            |           |    | -502  |     | -5   | 0,27 | <b>SCS</b> | 3,08  |
|                             |            |           |    |       |     |      | -12  | rank       | 636.  |
|                             |            |           |    |       |     |      | 0,08 |            |       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 75 | 77,0 | Rel. | 84 % | <b>TYPE</b> | -0,51 |
|                  |             |       |       |       |    |      |      | rank | 629.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,14  |    |    |   |    |    |
| Angularity            | -0,89 |    |    |   |    |    |
| Chest Width           | 1,11  |    |    |   |    |    |
| Body Depth            | 1,00  |    |    |   |    |    |
| Rump Angle            | 0,80  |    |    |   |    |    |
| Rear Legs Side View   | 0,65  |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | -2,04 |    |    |   |    |    |
| Front Teat Placement  | -0,48 |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | -0,75 |    |    |   |    |    |
| Rear Udder Width      | 0,26  |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | -1,85 |    |    |   |    |    |
| Rump Width            | 0,69  |    |    |   |    |    |
| Rear Legs Rear View   | -0,14 |    |    |   |    |    |
| Rear Teat Placement   | -0,81 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,7 | <b>Frame</b>           | 1,24  |
| 75,5 | <b>Dairy Strength</b>  | -0,44 |
| 77,5 | <b>Feet &amp; Legs</b> | -0,35 |
| 76,0 | <b>Udder</b>           | -1,46 |
|      | <b>SHI</b>             | -69,0 |
|      | rank                   | 547.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PAULHIAC</b>   | <b>FR005800799824</b>             | <b>26.12.1999</b> | <b>LU-016</b>  |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.02.2002     |
|                   |                                   | FRA               | GS761845       |

### Pedigree

|                    |            |                              |
|--------------------|------------|------------------------------|
| <b>Sire</b>        | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| RICECREST LANTZ-ET |            | US000002071864               |
| US000002266008     | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET  |
| LU-011             |            | US000014334791               |
| <b>Dam</b>         | <b>MGS</b> | GIBBON                       |
| NIBY               |            | FR002991000305               |
| FR005897003354     | <b>MGD</b> | LIBY                         |
|                    |            | FR005895003792               |

|                             |            |           |    |       |     |       |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 45 | Daug. | 104 | Rel.  | 94 % | <b>SPI</b> | 273  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 374. |
| <b>2238</b>                 |            |           |    | 294   | -13 | -0,44 | 3    | <b>SCS</b> | 2,85 |
|                             |            |           |    |       |     |       |      | rank       | 343. |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 8 | Daug. | 19 | 76,9 | Rel. | 65 % | <b>TYPE</b> | -0,51 |
|                  |             |       |        |       |    |      |      | rank | 630.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,24 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | -0,35 |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | -1,25 |    |    |   |    |    |
| Rear Legs Side View   | 0,43  |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | -0,31 |    |    |   |    |    |
| Teat Length           | -1,04 |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | 0,52  |    |    |   |    |    |
| Udder Depth           | -0,22 |    |    |   |    |    |
| Rump Width            | -0,98 |    |    |   |    |    |
| Rear Legs Rear View   | 0,36  |    |    |   |    |    |
| Rear Teat Placement   | 0,19  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,2 | <b>Frame</b>           | -0,89 |
| 76,6 | <b>Dairy Strength</b>  | -1,20 |
| 76,5 | <b>Feet &amp; Legs</b> | -0,38 |
| 76,3 | <b>Udder</b>           | 0,42  |
|      | <b>SHI</b>             | -12,0 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>OSDEL-ENDEAVOR CUTIES MARK-ET</b> | <b>US000002009164</b> | <b>16.02.1986</b> | <b>WLK-016</b> |
| Country of origin                    | US                    | <b>Breed</b>      | H100           |
| Distributor                          |                       | Herdbook          | HA             |
|                                      |                       | Paternity         | 15.08.1986     |
|                                      |                       | USA               | IG 85982A      |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF |
| WALKWAY CHIEF MARK      |            | US000001427381            |
| US000001773417          | <b>PGD</b> | WALKWAY MATT MAMIE        |
|                         |            | US000008309147            |
| <b>Dam</b>              | <b>MGS</b> | S-W-D VALIANT             |
| RYND-HOME VALIANT CUTIE |            | US000001650414            |
| US0000011268725         | <b>MGD</b> | RYND-HOME ELEVATION CUPID |
|                         |            | US000009794868            |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>95</b> | Daug.       | <b>818</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1742</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 817.         |
| <b>15625</b>                |            |           |           | <b>-377</b> |            | <b>-18</b> | <b>-0,08</b> | <b>SCS</b> | <b>3,47</b>  |
|                             |            |           |           |             |            | <b>-11</b> | <b>-0,00</b> | rank       | 1094.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 16</b> | Daug. | <b>55</b> | 76,1 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>-0,51</b> |
|                  |             |       |                |       |           |      |      | rank        | 631.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,78 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | 0,54  |    |    |   |    |    |
| Rump Angle            | -0,70 |    |    |   |    |    |
| Rear Legs Side View   | 0,39  |    |    |   |    |    |
| Foot Angle            | -0,01 |    |    |   |    |    |
| Fore Udder Attachment | -0,57 |    |    |   |    |    |
| Front Teat Placement  | -1,15 |    |    |   |    |    |
| Teat Length           | 1,30  |    |    |   |    |    |
| Rear Udder Height     | -0,39 |    |    |   |    |    |
| Rear Udder Width      | 0,09  |    |    |   |    |    |
| Central Ligament      | 0,09  |    |    |   |    |    |
| Udder Depth           | -0,85 |    |    |   |    |    |
| Rump Width            | 0,64  |    |    |   |    |    |
| Rear Legs Rear View   | 0,44  |    |    |   |    |    |
| Rear Teat Placement   | 0,09  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,36 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,7 | <b>Frame</b>           | <b>-0,44</b> |
| 73,7 | <b>Dairy Strength</b>  | <b>0,47</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>0,13</b>  |
| 76,1 | <b>Udder</b>           | <b>-0,69</b> |
|      | <b>SHI</b>             | <b>-72,8</b> |
|      | rank                   | 560.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>ALAN-ET</b>   | <b>CZ000088992181</b> | <b>12.11.1996</b> | <b>SUM-003</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CZ                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 13.02.1997 |
|                   |                                   | CSK          | 4590/26    |

### Pedigree

|                         |            |                                |
|-------------------------|------------|--------------------------------|
| <b>Sire</b>             | <b>PGS</b> | BIS-MAY TRADITION CLEITUS      |
| GLEN-TOCTIN SLOCUM      |            | US000001879085                 |
| US000002097322          | <b>PGD</b> | GLEN-TOCTIN MARK SAGE          |
| CLE-015                 |            | US000012631699                 |
| <b>Dam</b>              | <b>MGS</b> | LA-POE K HARDTAC-ET            |
| TIDY-BROOK SECRETARY-ET |            | US000002073505                 |
| US000015355439          | <b>MGD</b> | TIDY-BROOK SOUTHWIND SUZY-TWIN |
|                         |            | US000014225955                 |

|                             |            |           |           |            |           |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.      | <b>89</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>-125</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |              | rank       | 453.        |
| <b>1799</b>                 |            |           |           | <b>160</b> |           | <b>2</b>  | <b>-0,10</b> | <b>SCS</b> | <b>3,84</b> |
|                             |            |           |           |            |           | <b>-6</b> | <b>-0,24</b> | rank       | 1224.       |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>10</b> | 75,9 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>-0,52</b> |
|                  |             |       |              |       |           |      |      | rank        | 632.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,51  |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | -0,24 |    |    |   |    |    |
| Fore Udder Attachment | 0,05  |    |    |   |    |    |
| Front Teat Placement  | -0,15 |    |    |   |    |    |
| Teat Length           | -0,18 |    |    |   |    |    |
| Rear Udder Height     | 0,50  |    |    |   |    |    |
| Rear Udder Width      | 0,42  |    |    |   |    |    |
| Central Ligament      | -1,26 |    |    |   |    |    |
| Udder Depth           | -0,32 |    |    |   |    |    |
| Rump Width            | 0,03  |    |    |   |    |    |
| Rear Legs Rear View   | 0,28  |    |    |   |    |    |
| Rear Teat Placement   | 0,22  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,21  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 79,8 | <b>Frame</b>           | <b>-0,15</b> |
|                 | 74,6 | <b>Dairy Strength</b>  | <b>-0,00</b> |
|                 | 75,7 | <b>Feet &amp; Legs</b> | <b>-0,56</b> |
|                 | 74,7 | <b>Udder</b>           | <b>-0,33</b> |
|                 |      | <b>SHI</b>             | <b>-24,4</b> |
|                 |      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                            |                   |                       |
|----------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>           | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>COMESTAR MANAGER-ET</b> | <b>CA000010542522</b>      | <b>18.09.1998</b> | <b>RUH-013</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 04.02.1999 |
|                   |                | CAN          | BT431415   |

### Pedigree

|                         |            |                         |
|-------------------------|------------|-------------------------|
| <b>Sire</b>             | <b>PGS</b> | MADAWASKA AEROSTAR      |
| STARTMORE RUDOLPH-ET    |            | CA000000383622          |
| CA000005470579          | <b>PGD</b> | STARTMORE RACHELLE-ET   |
| ARS-015                 |            | CA000004324253          |
| <b>Dam</b>              | <b>MGS</b> | A TOWNSON LINDY-ET      |
| COMESTAR LAURALYN LINDY |            | CA000000382748          |
| CA000006341920          | <b>MGD</b> | COMESTAR LAURA BLACK-ET |
|                         |            | CA000005319783          |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>21</b> | Daug.       | <b>209</b> | Rel.       | <b>96 %</b>  | <b>SPI</b> | <b>-1975</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 872.         |
| <b>3701</b>                 |            |           |           | <b>-310</b> |            | <b>-13</b> | <b>-0,04</b> | <b>SCS</b> | <b>2,86</b>  |
|                             |            |           |           |             |            | <b>-18</b> | <b>-0,21</b> | rank       | 346.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 4</b> | Daug. | <b>80</b> | 77,4 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>-0,52</b> |
|                  |             |       |               |       |           |      |      | rank        | 633.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 1,23  |    |    |   |    |    |
| Angularity            | 0,44  |    |    |   |    |    |
| Chest Width           | -1,00 |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | 0,37  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -0,40 |    |    |   |    |    |
| Teat Length           | -0,07 |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | -0,77 |    |    |   |    |    |
| Central Ligament      | -0,63 |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | -0,40 |    |    |   |    |    |
| Rear Legs Rear View   | -0,39 |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | -0,48 |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,9 | <b>Frame</b>           | <b>0,86</b>  |
| 78,1 | <b>Dairy Strength</b>  | <b>0,51</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-1,50</b> |
| 75,0 | <b>Udder</b>           | <b>-1,24</b> |
|      | <b>SHI</b>             | <b>-80,4</b> |
|      | rank                   | 574.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>CIFER BELLWOOD LEX-ET</b> | <b>SK000069214862</b> | <b>04.05.1997</b> | <b>BW-003</b>  |
| Country of origin <b>SK</b>  |                       | <b>Breed</b>      | H100           |
| Distributor                  |                       | Herdbook          | HA             |
|                              |                       | Paternity         | ...            |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | ARLINDA MELWOOD-ET<br>US000001879149                |
| MAIZEFIELD BELLWOOD-ET<br>US000002103297<br>MEW-004 | <b>PGD</b> | BREN-WAY BELL BETSY<br>US000012052401               |
| <b>Dam</b>  | <b>MGS</b> | MADAWASKA AEROSTAR<br>CA000000383622 <b>STB-011</b> |
| LEXVOLD AEROSTAR PRETZ9-ET<br>US000014788970        | <b>MGD</b> | LEXVOLD BOARD CHAIRMAN PRETZEL<br>US000012191036    |

|                             |            |           |           |           |           |          |             |            |              |
|-----------------------------|------------|-----------|-----------|-----------|-----------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>45</b> | Daug.     | <b>98</b> | Rel.     | <b>93 %</b> | <b>SPI</b> | <b>287</b>   |
| Number controls             |            | <b>BV</b> |           | Milk      |           | Fat      | %           | Prot.      | %            |
| <b>1933</b>                 |            |           |           | <b>52</b> |           | <b>8</b> | <b>0,10</b> | <b>-0</b>  | <b>-0,04</b> |
|                             |            |           |           |           |           |          |             | <b>SCS</b> | <b>2,92</b>  |
|                             |            |           |           |           |           |          |             | rank       | 370.         |
|                             |            |           |           |           |           |          |             | rank       | 424.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 8</b> | Daug. | <b>11</b> | 76,1 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>-0,52</b> |
|                  |             |       |              |       |           |      |      | rank        | 634.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,29 |    |    |   |    |    |
| Angularity            | -0,64 |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | 0,19  |    |    |   |    |    |
| Fore Udder Attachment | -0,68 |    |    |   |    |    |
| Front Teat Placement  | -0,47 |    |    |   |    |    |
| Teat Length           | 0,89  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | -1,49 |    |    |   |    |    |
| Rump Width            | -0,60 |    |    |   |    |    |
| Rear Legs Rear View   | 0,14  |    |    |   |    |    |
| Rear Teat Placement   | -0,64 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,4 | <b>Frame</b>           | <b>-0,54</b> |
| 72,4 | <b>Dairy Strength</b>  | <b>-1,47</b> |
| 77,5 | <b>Feet &amp; Legs</b> | <b>0,45</b>  |
| 76,8 | <b>Udder</b>           | <b>-0,18</b> |
|      | <b>SHI</b>             | <b>-12,3</b> |
|      | rank                   | ...          |

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SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                          |                                   |                   |                |
|--------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number               | Birth date        | State Register |
| <b>COGENT COURIER-ET</b> | <b>GB000000586950</b>             | <b>26.06.1997</b> | <b>FAL-003</b> |
| Country of origin        | GB                                | <b>Breed</b>      | H100           |
| Distributor              | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                          |                                   | Paternity         | 26.07.1997     |
|                          |                                   | GBR               | V54587         |

### Pedigree

|                         |            |                              |
|-------------------------|------------|------------------------------|
| <b>Sire</b>             | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| FATAL                   |            | US000001920807               |
| FR002290038601          | <b>PGD</b> | BRUNE 84                     |
|                         |            | FR002286037388               |
| <b>Dam</b>              | <b>MGS</b> | ETAZON CELSIUS-ET            |
| TIDY-BROOK CEL CLARA-ET |            | NL000460508522               |
| US000015688607          | <b>MGD</b> | TIDY-BROOK SHELBY ELTON-ET   |
|                         |            | US000014451721               |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>22</b> | Daug.      | <b>214</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>1057</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 233.        |
| <b>4340</b>                 |            |           |           | <b>313</b> |            | <b>-4</b> | <b>-0,29</b> | <b>11</b>  | <b>0,03</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,25</b> |
|                             |            |           |           |            |            |           |              | rank       | 856.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>31 / 10</b> | Daug. | <b>156</b> | 78,6 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |                |       |            |      |      | rank        | 635.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,49 |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | -0,11 |    |    |   |    |    |
| Body Depth            | -0,19 |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,07 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | 1,28  |    |    |   |    |    |
| Teat Length           | -0,07 |    |    |   |    |    |
| Rear Udder Height     | -0,22 |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | -0,59 |    |    |   |    |    |
| Udder Depth           | -1,54 |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | -0,54 |    |    |   |    |    |
| Rear Teat Placement   | 1,11  |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,9 | <b>Frame</b>           | <b>-0,51</b> |
| 78,9 | <b>Dairy Strength</b>  | <b>-0,13</b> |
| 78,2 | <b>Feet &amp; Legs</b> | <b>-1,29</b> |
| 77,4 | <b>Udder</b>           | <b>-0,09</b> |
|      | <b>SHI</b>             | <b>10,9</b>  |
|      | rank                   | 333.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TURENNE</b>    | <b>FR002930982307</b>             | <b>02.06.2002</b> | <b>MTA-002</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 18.03.2003     |
|                   |                                   | FRA               | 159318         |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| MANAT-ET                  |            | US000002119526           |
| DE002261530135            | <b>PGD</b> | IMPERIAL SPLENDORS STYLE |
| MNL-004                   |            | US000013633539           |
| <b>Dam</b>                | <b>MGS</b> | STARTMORE RUDOLPH-ET     |
| LYLEHAVEN RUDOLPH GINA-ET |            | CA000005470579           |
| US000018020800            | <b>MGD</b> | MIKLIN MASCOT GIDGET     |
|                           |            | US000014966313           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.       | <b>113</b> | Rel.       | <b>93 %</b>  | <b>SPI</b> | <b>-1373</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 727.         |
| <b>2055</b>                 |            |           |           | <b>-291</b> |            | <b>-15</b> | <b>-0,08</b> | <b>SCS</b> | <b>3,36</b>  |
|                             |            |           |           |             |            | <b>-9</b>  | <b>-0,00</b> | rank       | 989.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 12</b> | Daug. | <b>26</b> | 78,2 | Rel. | <b>70 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |                |       |           |      |      | rank        | 636.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,61  |    |    |   |    |    |
| Angularity            | 0,22  |    |    |   |    |    |
| Chest Width           | -0,95 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,58  |    |    |   |    |    |
| Fore Udder Attachment | -0,04 |    |    |   |    |    |
| Front Teat Placement  | -0,21 |    |    |   |    |    |
| Teat Length           | -1,38 |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,11 |    |    |   |    |    |
| Central Ligament      | -1,11 |    |    |   |    |    |
| Udder Depth           | 0,06  |    |    |   |    |    |
| Rump Width            | -0,50 |    |    |   |    |    |
| Rear Legs Rear View   | -0,04 |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,41 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>-0,20</b> |
| 77,9 | <b>Dairy Strength</b>  | <b>-0,90</b> |
| 79,2 | <b>Feet &amp; Legs</b> | <b>0,59</b>  |
| 76,2 | <b>Udder</b>           | <b>-0,57</b> |
|      | <b>SHI</b>             | <b>-62,5</b> |
|      | rank                   | 535.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>ERBRECHT</b>          | <b>DE000113695722</b>             | <b>10.04.2002</b> | <b>ESK-002</b>        |
| <b>Country of origin</b> | <b>Distributor</b>                | <b>Breed</b>      | <b>H100</b>           |
| DE                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | <b>Paternity</b>  | 06.09.2002            |
|                          |                                   | <b>DEU</b>        | 02/35134              |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | ESQUIMAU       |
| ENEMY          |            | FR002989026154 |
| DE000340365279 | <b>PGD</b> | TREUE          |
|                |            | DE001020960332 |
| <b>Dam</b>     | <b>MGS</b> | LADIN          |
| WALENA         |            | DE000102650777 |
| DE000110337210 | <b>MGD</b> | SELENA         |
|                |            | DE000108058708 |

|                             |            |              |           |              |            |             |             |              |             |
|-----------------------------|------------|--------------|-----------|--------------|------------|-------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>43</b> | <b>Daug.</b> | <b>114</b> | <b>Rel.</b> | <b>94 %</b> | <b>SPI</b>   | <b>155</b>  |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |            | <b>Fat</b>  |             | <b>%</b>     |             |
| <b>2589</b>                 |            |              |           | <b>120</b>   |            | <b>-3</b>   |             | <b>-0,15</b> |             |
|                             |            | <b>Prot.</b> |           | <b>%</b>     |            | <b>1</b>    |             | <b>-0,06</b> |             |
|                             |            |              |           |              |            |             |             | <b>rank</b>  | 397.        |
|                             |            |              |           |              |            |             |             | <b>SCS</b>   | <b>3,17</b> |
|                             |            |              |           |              |            |             |             | <b>rank</b>  | 756.        |

|                  |             |              |              |              |           |             |             |             |             |              |
|------------------|-------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>9 / 6</b> | <b>Daug.</b> | <b>18</b> | <b>78,4</b> | <b>Rel.</b> | <b>63 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |              |              |              |           |             |             |             | <b>rank</b> | 637.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,83 |    |    |   |    |    |
| Angularity            | -0,29 |    |    |   |    |    |
| Chest Width           | -0,38 |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | 0,34  |    |    |   |    |    |
| Fore Udder Attachment | 0,32  |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | -0,79 |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | 0,39  |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | 0,08  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-1,18</b> |
| 77,6 | <b>Dairy Strength</b>  | <b>-1,19</b> |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,44</b>  |
| 78,3 | <b>Udder</b>           | <b>0,13</b>  |
|      | <b>SHI</b>             | <b>-16,5</b> |
|      | <b>rank</b>            | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>CEBIT-ET TL</b> | <b>DE000767817939</b> | <b>11.11.2000</b> | <b>CAL-006</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 14.02.2001 |
|                   |                | DEU          | 1/2943     |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | STRICKLER ROYALTY CADILLAC-ET |
| CARED          |            | US000002046246                |
| DE000730209621 | <b>PGD</b> | RED-SUN 683                   |
|                |            | DE000724049317                |
| <b>Dam</b>     | <b>MGS</b> | BROOKNOOK MILESTONE-ET RED    |
| DONNAKLARA 68  |            | CA000000400985                |
| DE000760224782 | <b>MGD</b> | DONNAKLARA                    |
|                |            | DE001015211032                |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>69</b> | Daug.      | <b>837</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>748</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 291.        |
| <b>17081</b>                |            |           |           | <b>-79</b> |            | <b>16</b> | <b>0,35</b> | <b>SCS</b> | <b>2,84</b> |
|                             |            |           |           |            |            | <b>6</b>  | <b>0,20</b> | rank       | 333.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 3</b> | Daug. | <b>142</b> | 78,9 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |               |       |            |      |      | rank        | 638.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,72  |    |    |   |    |    |
| Angularity            | 0,04  |    |    |   |    |    |
| Chest Width           | -0,15 |    |    |   |    |    |
| Body Depth            | -0,16 |    |    |   |    |    |
| Rump Angle            | 0,89  |    |    |   |    |    |
| Rear Legs Side View   | 0,39  |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | -0,09 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | -0,48 |    |    |   |    |    |
| Udder Depth           | -0,98 |    |    |   |    |    |
| Rump Width            | 0,27  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | -0,62 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 84,4 | <b>Frame</b> | <b>0,97</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,9 | <b>Dairy Strength</b> | <b>-0,16</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Feet &amp; Legs</b> | <b>-0,93</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 74,6 | <b>Udder</b> | <b>-1,52</b> |
|------|--------------|--------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>1,4</b> |
|--|------------|------------|

rank 358.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>ADRIAN</b>     | <b>DE000004598170</b> | <b>05.12.1983</b> | <b>ACH-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                                      |            |  |
|--------------------------------------|------------|--|
| <b>Sire</b>                          | <b>PGS</b> | HILLTOP APOLLO IVANHOE<br>US000001399824     |
| CHAPEL-BANK APACHE<br>US000001537570 | <b>PGD</b> | GREEN BANKS BURKGOV,ARLENE<br>US000005496871 |
| <b>Dam</b>                           | <b>MGS</b> | CITATION R MAPLE<br>US000001430145           |
| DINI<br>DE001004360900               | <b>MGD</b> | DINA<br>DE000004284690                       |

|                             |            |           |            |             |            |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>106</b> | Daug.       | <b>701</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2963</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |             | rank       | 1078.        |
| <b>11121</b>                |            |           |            | <b>-810</b> |            | <b>-24</b> | <b>0,14</b> | <b>SCS</b> | <b>2,91</b>  |
|                             |            |           |            |             |            | <b>-18</b> | <b>0,17</b> | rank       | 406.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 5</b> | Daug. | <b>50</b> | 74,0 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |              |       |           |      |      | rank        | 639.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,59 |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | 0,62  |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | 0,37  |    |    |   |    |    |
| Rear Legs Side View   | 0,01  |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | 0,30  |    |    |   |    |    |
| Teat Length           | 0,77  |    |    |   |    |    |
| Rear Udder Height     | -0,81 |    |    |   |    |    |
| Rear Udder Width      | -0,47 |    |    |   |    |    |
| Central Ligament      | -0,49 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | -0,44 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,43  |    |    |   |    |    |

daught. average

73,5 **Frame** **-0,28**

71,5 **Dairy Strength** **-0,40**

76,3 **Feet & Legs** **-0,56**

74,6 **Udder** **-0,28**

**SHI** **-110,6**

rank 615.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LOMBARD</b>    | <b>DE000101587579</b>             | <b>17.07.1993</b> | <b>LOG-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.03.1994     |
|                   |                                   | DEU               | 94/3702        |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | HI-DE-HO SUNSET KID RED     |
| SHADY-LAWN-U LOGIC RED-ET |            | US000001810994              |
| US000002034426            | <b>PGD</b> | SHADY-LAWN-U LICORICE RED   |
| SUN-003                   |            | US000011882992              |
| <b>Dam</b>                | <b>MGS</b> | BROOKS-TWAIN STRATOS RED-ET |
| PRERIE 98                 |            | US000001884044              |
| DE000107688741            | <b>MGD</b> | NURMI                       |
|                           |            | DE000107549971              |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>122</b> | Daug.       | <b>1217</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1603</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 789.         |
| <b>24807</b>                |            |           |            | <b>-260</b> |             | <b>-14</b> | <b>-0,08</b> | <b>SCS</b> | <b>3,00</b>  |
|                             |            |           |            |             |             | <b>-14</b> | <b>-0,13</b> | rank       | 531.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 5</b> | Daug. | <b>93</b> | 76,2 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |               |       |           |      |      | rank        | 640.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | 0,31  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,67 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | 0,16  |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,49 |    |    |   |    |    |
| Teat Length           | 0,23  |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | -0,62 |    |    |   |    |    |
| Rump Width            | 1,22  |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | -0,99 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,24 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,6 | <b>Frame</b>           | <b>-0,00</b> |
| 74,8 | <b>Dairy Strength</b>  | <b>-0,38</b> |
| 77,7 | <b>Feet &amp; Legs</b> | <b>-0,13</b> |
| 74,7 | <b>Udder</b>           | <b>-0,81</b> |
|      | <b>SHI</b>             | <b>-69,6</b> |
|      | rank                   | 549.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>CMV SW MARCUS-ET</b> | <b>US000002169064</b>             | <b>08.02.1991</b> | <b>BEL-016</b> |
| Country of origin       | US                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 23.12.1991     |
|                         |                                   | USA               | IG163579A      |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL      |
| SOUTHWIND BELL OF BAR-LEE |            | US000001667366             |
| US000001964484            | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET |
| BEL-001                   |            | US000011489023             |
| <b>Dam</b>                | <b>MGS</b> | ARLINDA MELWOOD-ET         |
| CMV MELWOOD MINDY-ET      |            | US000001879149             |
| US000013624812            | <b>MGD</b> | BRIARPATCH-R MISTY-ET      |
|                           |            | US000012882374             |

|                             |            |           |    |             |     |           |              |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug.       | 294 | Rel.      | 97 %         | <b>SPI</b> | -838         |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %            | Prot.      | %            |
| <b>5612</b>                 |            |           |    | <b>-118</b> |     | <b>-4</b> | <b>-0,01</b> | <b>-9</b>  | <b>-0,12</b> |
|                             |            |           |    |             |     |           |              | <b>SCS</b> | <b>3,43</b>  |
|                             |            |           |    |             |     |           |              | rank       | 612.         |
|                             |            |           |    |             |     |           |              | rank       | 1055.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 18 / 9 | Daug. | 66 | 76,6 | Rel. | 84 % | <b>TYPE</b> | -0,53 |
|                  |             |       |        |       |    |      |      |      | rank        | 641.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,81  |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -0,28 |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | -0,24 |    |    |   |    |    |
| Fore Udder Attachment | -0,81 |    |    |   |    |    |
| Front Teat Placement  | -0,56 |    |    |   |    |    |
| Teat Length           | -0,88 |    |    |   |    |    |
| Rear Udder Height     | -0,38 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | 0,11  |    |    |   |    |    |
| Udder Depth           | -0,58 |    |    |   |    |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | 0,58  |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | -0,50 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,7 | <b>Frame</b>           | <b>0,31</b>  |
| 74,4 | <b>Dairy Strength</b>  | <b>-0,79</b> |
| 76,4 | <b>Feet &amp; Legs</b> | <b>-0,09</b> |
| 76,1 | <b>Udder</b>           | <b>-0,83</b> |
|      | <b>SHI</b>             | <b>-46,6</b> |
|      | rank                   | 499.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MIKE</b>       | <b>NL000815222419</b>             | <b>29.09.1992</b> | <b>NIK-002</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 25.02.1998     |
|                   |                                   | SVK               | 815222419      |

### Pedigree

|                        |            |                        |
|------------------------|------------|------------------------|
| <b>Sire</b>            | <b>PGS</b> | TO-MAR BLACKSTAR-ET    |
| DOMAR NIGHTHAWK        |            | US000001929410         |
| CA000005004326         | <b>PGD</b> | DOMAR ENHANCER KIM RED |
|                        |            | CA000004062945         |
| <b>Dam</b>             | <b>MGS</b> | E-D TONTO CAVALIER     |
| BATENBURG BAT TINA 824 |            | US000000022235         |
| NL000458657432         | <b>MGD</b> | TINA                   |
|                        |            | DE001015070499         |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>69</b> | Daug.       | <b>954</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-110</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %           |
| <b>21063</b>                |            |           |           | <b>-268</b> |            | <b>22</b> | <b>0,62</b> | <b>-5</b>  | <b>0,07</b> |
|                             |            |           |           |             |            |           |             | rank       | 450.        |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,60</b> |
|                             |            |           |           |             |            |           |             | rank       | 125.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 3</b> | Daug. | <b>78</b> | 76,4 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-0,53</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 642.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,50 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | -0,01 |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | -0,37 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | -0,62 |    |    |   |    |    |
| Fore Udder Attachment | 0,42  |    |    |   |    |    |
| Front Teat Placement  | 1,29  |    |    |   |    |    |
| Teat Length           | 0,00  |    |    |   |    |    |
| Rear Udder Height     | 0,16  |    |    |   |    |    |
| Rear Udder Width      | 0,12  |    |    |   |    |    |
| Central Ligament      | -0,68 |    |    |   |    |    |
| Udder Depth           | -0,12 |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | 0,15  |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,3 | <b>Frame</b>           | <b>-1,74</b> |
| 75,3 | <b>Dairy Strength</b>  | <b>-0,07</b> |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-1,53</b> |
| 76,7 | <b>Udder</b>           | <b>1,29</b>  |
|      | <b>SHI</b>             | <b>-24,7</b> |
|      | rank                   | 440.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>CALLBOY</b>    | <b>DE000576483118</b>             | <b>26.03.1995</b> | <b>CAL-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 26.05.1995            |
|                   |                                   | DEU               | 95/7978               |

### Pedigree

|                               |            |                         |
|-------------------------------|------------|-------------------------|
| <b>Sire</b>                   | <b>PGS</b> | LEKKER VALIANT ROYALTY  |
| STRICKLER ROYALTY CADILLAC-ET |            | US000001821208          |
| US000002046246                | <b>PGD</b> | STRICKLER BELL CAREY-ET |
|                               |            | US000010975888          |
| <b>Dam</b>                    | <b>MGS</b> | WINE-RIDGE CONCORD-ET   |
| LILAMON                       |            | US000002030202          |
| DE000576197175                | <b>MGD</b> | LASPALMAS               |
|                               |            | DE000505878978          |

|                             |            |           |     |       |      |      |      |            |       |
|-----------------------------|------------|-----------|-----|-------|------|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 151 | Daug. | 1993 | Rel. | 99 % | <b>SPI</b> | -1542 |
| Number controls             |            | <b>BV</b> |     | Milk  |      | Fat  | %    | Prot.      | %     |
| <b>37952</b>                |            |           |     | -339  |      | -11  | 0,03 | -12        | -0,04 |
|                             |            |           |     |       |      |      |      | <b>SCS</b> | 3,67  |
|                             |            |           |     |       |      |      |      | rank       | 1189. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 22 / 13 | Daug. | 156 | 76,9 | Rel. | 93 % | <b>TYPE</b> | -0,53 |
|                  |             |       |         |       |     |      |      |      | rank        | 643.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,36  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,45 |    |    |   |    |    |
| Body Depth            | -0,47 |    |    |   |    |    |
| Rump Angle            | 0,12  |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -1,26 |    |    |   |    |    |
| Teat Length           | 1,12  |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | -0,24 |    |    |   |    |    |
| Central Ligament      | -0,37 |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | -0,90 |    |    |   |    |    |
| Rear Legs Rear View   | 0,51  |    |    |   |    |    |
| Rear Teat Placement   | -0,40 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,9 | <b>Frame</b>           | -0,04 |
| 77,5 | <b>Dairy Strength</b>  | 0,76  |
| 78,6 | <b>Feet &amp; Legs</b> | 0,12  |
| 74,8 | <b>Udder</b>           | -1,52 |
|      | <b>SHI</b>             | -67,9 |
|      | rank                   | 545.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>PATTY</b>      | <b>DE000341508110</b>             | <b>02.03.1997</b> | <b>PAT-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 06.05.1997            |
|                   |                                   | DEU               | 97/6808               |

### Pedigree

|                              |            |                            |         |
|------------------------------|------------|----------------------------|---------|
| <b>Sire</b>                  | <b>PGS</b> | TO-MAR BLACKSTAR-ET        |         |
| BRABANT STAR PATRON-ET       |            | US000001929410             | CHR-002 |
| US000002160458               | <b>PGD</b> | BRABANT NED BOY PAULA      |         |
| BS-034                       |            | US000012986269             |         |
| <b>Dam</b>                   | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |         |
| CRESCENTMEAD-A WEST MINDY-ET |            | US000001983348             | TDN-004 |
| US000014816195               | <b>MGD</b> | MINDY                      |         |
|                              |            | US000012787158             |         |

|                             |            |           |           |             |             |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.       | <b>1433</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1574</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        |              | rank       | 783.         |
| <b>24773</b>                |            |           |           | <b>-364</b> |             | <b>-10</b> | <b>0,06</b>  | <b>SCS</b> | <b>3,50</b>  |
|                             |            |           |           |             |             | <b>-12</b> | <b>-0,03</b> | rank       | 1112.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>33 / 11</b> | Daug. | <b>227</b> | 78,1 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,54</b> |
|                  |             |       |                |       |            |      |      | rank        | 644.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,22 |    |    | ■ |    |    |
| Angularity            | -0,36 |    |    | ■ |    |    |
| Chest Width           | 0,18  |    |    | ■ |    |    |
| Body Depth            | 0,32  |    |    | ■ |    |    |
| Rump Angle            | -0,04 |    |    | ■ |    |    |
| Rear Legs Side View   | -0,01 |    |    | ■ |    |    |
| Foot Angle            | 0,17  |    |    | ■ |    |    |
| Fore Udder Attachment | -0,52 |    | ■  |   |    |    |
| Front Teat Placement  | 0,41  |    |    | ■ |    |    |
| Teat Length           | -0,04 |    |    | ■ |    |    |
| Rear Udder Height     | -0,46 |    |    | ■ |    |    |
| Rear Udder Width      | 0,22  |    |    | ■ |    |    |
| Central Ligament      | 0,09  |    |    | ■ |    |    |
| Udder Depth           | -1,04 |    | ■  |   |    |    |
| Rump Width            | 0,05  |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,18 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,58  |    |    | ■ |    |    |
| Locomotion            | -0,78 |    | ■  |   |    |    |
| Body Condition        | 0,01  |    |    | ■ |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>-0,07</b> |
| 78,5 | <b>Dairy Strength</b>  | <b>-0,63</b> |
| 77,9 | <b>Feet &amp; Legs</b> | <b>-1,15</b> |
| 76,4 | <b>Udder</b>           | <b>-0,32</b> |
|      | <b>SHI</b>             | <b>-69,1</b> |
|      | rank                   | 548.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>CHERRY-GROVE SECRET,ET</b> | <b>US000002116771</b>             | <b>05.10.1989</b> | <b>SEC-005</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 26.05.1990     |
|                               |                                   | USA               | IG134827B      |

### Pedigree

|                          |            |                               |
|--------------------------|------------|-------------------------------|
| <b>Sire</b>              | <b>PGS</b> | LOCUST-GLEN IVANHOE ELEVATION |
| THONYMA SECRET           |            | US000001644629                |
| US000001856904           | <b>PGD</b> | THONYMA CONDUCTOR SCARLET     |
|                          |            | US000010006578                |
| <b>Dam</b>               | <b>MGS</b> | COR-VEL ENCHANTMENT           |
| CHERRY-GROVE TIGER SALLY |            | US000001747862                |
| US000012211982           | <b>MGD</b> | CHERRY-GROVE PETES JOSEY      |
|                          |            | US000011004990                |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.       | <b>115</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1930</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 864.         |
| <b>2400</b>                 |            |           |           | <b>-326</b> |            | <b>-17</b> | <b>-0,10</b> | <b>SCS</b> | <b>2,59</b>  |
|                             |            |           |           |             |            | <b>-16</b> | <b>-0,14</b> | rank       | 118.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 8</b> | Daug. | <b>59</b> | 76,2 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>-0,54</b> |
|                  |             |       |               |       |           |      |      | rank        | 645.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,06  |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,45 |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | 0,71  |    |    |   |    |    |
| Foot Angle            | 0,42  |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | 0,29  |    |    |   |    |    |
| Teat Length           | -0,62 |    |    |   |    |    |
| Rear Udder Height     | 0,23  |    |    |   |    |    |
| Rear Udder Width      | -0,06 |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | 1,21  |    |    |   |    |    |
| Rump Width            | -0,91 |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | 0,54  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,2 | <b>Frame</b>           | <b>-0,61</b> |
| 72,9 | <b>Dairy Strength</b>  | <b>-1,39</b> |
| 78,7 | <b>Feet &amp; Legs</b> | <b>0,70</b>  |
| 75,6 | <b>Udder</b>           | <b>-0,26</b> |
|      | <b>SHI</b>             | <b>-79,9</b> |
|      | rank                   | 573.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>MEADOW BRIDGE ABBOT-ET</b> | <b>CA000006154018</b> | <b>17.08.1994</b> | <b>PEL-006</b> |
| Country of origin             | CA                    | <b>Breed</b>      | H100           |
| Distributor                   | Kanada                | Herdbook          | HA             |
|                               |                       | Paternity         |                |

### Pedigree

|                        |            |                            |
|------------------------|------------|----------------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVERHILL STARBUCK       |
| RONNYBROOK PRELUDE-ET  |            | CA000000352790             |
| CA000000392457         | <b>PGD</b> | KELLYS-VIEW GLENDELL KELCO |
| STB-016                |            | US000009739109             |
| <b>Dam</b>             | <b>MGS</b> | GLENAFTON ENHANCER         |
| MEADOW BRIDGE MARCY-ET |            | CA000000343514             |
| CA000003955395         | <b>MGD</b> | NORMAC ROYAL MISTRESS      |
|                        |            | CA000002905964             |

|                             |            |           |            |             |             |          |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>190</b> | Daug.       | <b>2645</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-1004</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat      | %           | Prot.      | %            |
| <b>57550</b>                |            |           |            | <b>-263</b> |             | <b>2</b> | <b>0,22</b> | <b>-11</b> | <b>-0,06</b> |
|                             |            |           |            |             |             |          |             | <b>SCS</b> | <b>3,57</b>  |
|                             |            |           |            |             |             |          |             | rank       | 1139.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>48 / 18</b> | Daug. | <b>333</b> | 77,1 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,54</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 646.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,36 |    |    |   |    |    |
| Angularity            | 0,45  |    |    |   |    |    |
| Chest Width           | -0,43 |    |    |   |    |    |
| Body Depth            | -0,38 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | -0,50 |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | -0,62 |    |    |   |    |    |
| Rear Udder Height     | 0,50  |    |    |   |    |    |
| Rear Udder Width      | 0,09  |    |    |   |    |    |
| Central Ligament      | 0,88  |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | -0,38 |    |    |   |    |    |
| Rear Teat Placement   | 0,17  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,3 | <b>Frame</b>           | <b>-1,75</b> |
| 77,1 | <b>Dairy Strength</b>  | <b>0,68</b>  |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-1,34</b> |
| 77,0 | <b>Udder</b>           | <b>0,60</b>  |
|      | <b>SHI</b>             | <b>-52,0</b> |
|      | rank                   | 508.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                      |                   |                |
|-------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number  | Birth date        | State Register |
| <b>ASLO</b>       | <b>DE00000385434</b> | <b>12.10.1985</b> | <b>ASR-004</b> |
| Country of origin | DE                   | <b>Breed</b>      | H100           |
| Distributor       |                      | Herdbook          | HA             |
|                   |                      | Paternity         |                |

### Pedigree

|                     |            |                        |
|---------------------|------------|------------------------|
| <b>Sire</b>         | <b>PGS</b> | PACLAMAR ASTRONAUT     |
| BRIDON ASTRO JET-ET |            | US000001458744         |
| CA000000349040      | <b>PGD</b> | MOERACRES ANNA GEM     |
|                     |            | US000008047373         |
| <b>Dam</b>          | <b>MGS</b> | GLENDELL ARLINDA CHIEF |
| KATI                |            | US000001556373         |
| DE001008576497      | <b>MGD</b> | KAROLINE               |
|                     |            | DE001006286557         |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.       | <b>445</b> | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>-3273</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1132.        |
| <b>8585</b>                 |            |           |           | <b>-888</b> |            | <b>-18</b> | <b>0,35</b> | <b>SCS</b> | <b>2,94</b>  |
|                             |            |           |           |             |            | <b>-24</b> | <b>0,08</b> | rank       | 444.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 7</b> | Daug. | <b>52</b> | 75,5 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,55</b> |
|                  |             |       |               |       |           |      |      | rank        | 647.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | -0,56 |    |    |   |    |    |
| Chest Width           | 0,41  |    |    |   |    |    |
| Body Depth            | 0,65  |    |    |   |    |    |
| Rump Angle            | -0,48 |    |    |   |    |    |
| Rear Legs Side View   | 0,36  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | 0,04  |    |    |   |    |    |
| Rear Udder Height     | -0,77 |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | -0,02 |    |    |   |    |    |
| Udder Depth           | -0,51 |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,17  |    |    |   |    |    |
| Rear Teat Placement   | -0,27 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,7 | <b>Frame</b>           | <b>-0,31</b>  |
| 73,0 | <b>Dairy Strength</b>  | <b>-0,28</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-0,08</b>  |
| 77,0 | <b>Udder</b>           | <b>-0,72</b>  |
|      | <b>SHI</b>             | <b>-120,6</b> |
|      | rank                   | 623.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>BEAU RED</b>   | <b>NL000355747421</b>             | <b>06.06.2003</b> | <b>JUL-004</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 15.10.2003     |
|                   |                                   | NL                | 104898         |

### Pedigree

|                    |            |                   |         |
|--------------------|------------|-------------------|---------|
| <b>Sire</b>        | <b>PGS</b> | JUBEL             |         |
| BEAUTIFUL          |            | DE000505893133    | JUB-016 |
| NL000189887001     | <b>PGD</b> | TARMA 4355        |         |
| JUL-003            |            | NL000784643558    |         |
| <b>Dam</b>         | <b>MGS</b> | SUBLIEM TULIP RED |         |
| HUIJBEN PIETJE 514 |            | NL000815222426    | NIK-001 |
| NL000256660889     | <b>MGD</b> | ALM PIETJE 513    |         |
|                    |            | NL000139312058    |         |

|                             |            |           |   |       |     |      |      |            |      |
|-----------------------------|------------|-----------|---|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 6 | Daug. | 133 | Rel. | 94 % | <b>SPI</b> | 469  |
| Number controls             |            | <b>BV</b> |   | Milk  |     | Fat  | %    | Prot.      | %    |
| 2556                        |            |           |   | -127  |     | 6    | 0,21 | 7          | 0,25 |
|                             |            |           |   |       |     |      |      | <b>SCS</b> | 3,43 |
|                             |            |           |   |       |     |      |      | rank       | ...  |
|                             |            |           |   |       |     |      |      | rank       | ...  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 2 | Daug. | 63 | 78,6 | Rel. | 82 % | <b>TYPE</b> | -0,55 |
|                  |             |       |       |       |    |      |      |      | rank        | 648.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,23 |    |    | ■ |    |    |
| Angularity            | 0,23  |    |    |   | ■  |    |
| Chest Width           | -0,37 |    |    | ■ |    |    |
| Body Depth            | -0,49 |    |    | ■ |    |    |
| Rump Angle            | 0,21  |    |    |   | ■  |    |
| Rear Legs Side View   | 0,23  |    |    |   | ■  |    |
| Foot Angle            | -0,34 |    |    | ■ |    |    |
| Fore Udder Attachment | 0,00  |    |    |   |    |    |
| Front Teat Placement  | 0,17  |    |    |   | ■  |    |
| Teat Length           | -0,22 |    |    | ■ |    |    |
| Rear Udder Height     | 0,14  |    |    |   | ■  |    |
| Rear Udder Width      | -0,14 |    |    |   | ■  |    |
| Central Ligament      | 0,28  |    |    |   | ■  |    |
| Udder Depth           | 0,13  |    |    |   | ■  |    |
| Rump Width            | -0,64 |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,27 |    |    | ■ |    |    |
| Rear Teat Placement   | -0,17 |    |    |   | ■  |    |
| Locomotion            | -0,60 |    |    | ■ |    |    |
| Body Condition        | -0,38 |    |    | ■ |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 81,8 | <b>Frame</b>           | -0,62 |
|                 | 80,3 | <b>Dairy Strength</b>  | -0,59 |
|                 | 80,1 | <b>Feet &amp; Legs</b> | -1,71 |
|                 | 75,4 | <b>Udder</b>           | 0,37  |
|                 |      | <b>SHI</b>             | -7,7  |
|                 |      | rank                   | 384.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>COMA-ET</b>    | <b>DE000021329808</b>             | <b>24.04.1993</b> | <b>CI-001</b>  |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 06.08.1993     |
|                   |                                   | DEU               | 93/10293       |

### Pedigree

|                             |            |                        |
|-----------------------------|------------|------------------------|
| <b>Sire</b>                 | <b>PGS</b> | WALKWAY CHIEF MARK     |
| HIGHLIGHT MR MARK CINDER-ET |            | US000001773417         |
| US000002014517              | <b>PGD</b> | ROLL-N-VIEW BELL CINDY |
|                             |            | US000010935707         |
| <b>Dam</b>                  | <b>MGS</b> | HANOVERHILL STARBUCK   |
| LARI 12                     |            | CA000000352790         |
| DE001020523864              | <b>MGD</b> | LUNETTA                |
|                             |            | DE001020242984         |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>140</b> | Daug.       | <b>1535</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-2058</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 891.         |
| <b>31600</b>                |            |           |            | <b>-472</b> |             | <b>-20</b> | <b>-0,05</b> | <b>SCS</b> | <b>3,21</b>  |
|                             |            |           |            |             |             | <b>-13</b> | <b>0,02</b>  | rank       | 799.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>29 / 15</b> | Daug. | <b>142</b> | 76,7 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,56</b> |
|                  |             |       |                |       |            |      |      | rank        | 649.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,04 |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | 0,15  |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | -0,13 |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | 0,71  |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | -0,03 |    |    |   |    |    |
| Rear Udder Width      | 0,19  |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | -1,16 |    |    |   |    |    |
| Rump Width            | -0,15 |    |    |   |    |    |
| Rear Legs Rear View   | -0,74 |    |    |   |    |    |
| Rear Teat Placement   | 1,01  |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,1 | <b>Frame</b>           | <b>-1,23</b> |
| 75,9 | <b>Dairy Strength</b>  | <b>-0,18</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-1,09</b> |
| 76,5 | <b>Udder</b>           | <b>0,66</b>  |
|      | <b>SHI</b>             | <b>-84,3</b> |
|      | rank                   | 583.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>MEADOW BRIDGE MILLION-ET</b> | <b>CA000005410058</b> | <b>20.02.1991</b> | <b>ARS-008</b> |
| Country of origin               | CA                    | <b>Breed</b>      | H100           |
| Distributor                     | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                 |                       | Paternity         | 26.09.1991     |
|                                 |                       | CAN               | 256733         |

### Pedigree

|                          |            |                       |
|--------------------------|------------|-----------------------|
| <b>Sire</b>              | <b>PGS</b> | HANOVERHILL STARBUCK  |
| MADAWASKA AEROSTAR       |            | CA000000352790        |
| CA000000383622           | <b>PGD</b> | MADAWASKA SHADY       |
| STB-011                  |            | CA0000003511527       |
| <b>Dam</b>               | <b>MGS</b> | GLENAFTON ENHANCER    |
| MEADOW BRIDGE MILDRED-ET |            | CA000000343514        |
| CA0000003955275          | <b>MGD</b> | NORMAC ROYAL MISTRESS |
|                          |            | CA000002905964        |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>89</b> | Daug.      | <b>1107</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-150</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 458.        |
| <b>21147</b>                |            |           |           | <b>116</b> |             | <b>-4</b> | <b>-0,17</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |            |             | <b>-3</b> | <b>-0,15</b> | rank       | 642.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>49 / 19</b> | Daug. | <b>216</b> | 76,9 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,56</b> |
|                  |             |       |                |       |            |      |      | rank        | 650.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,93 |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,38  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | -0,45 |    |    |   |    |    |
| Rear Legs Side View   | 1,00  |    |    |   |    |    |
| Foot Angle            | -0,61 |    |    |   |    |    |
| Fore Udder Attachment | -0,87 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | 0,71  |    |    |   |    |    |
| Central Ligament      | 0,75  |    |    |   |    |    |
| Udder Depth           | -1,44 |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,30  |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,9 | <b>Frame</b>           | <b>-0,73</b> |
| 75,0 | <b>Dairy Strength</b>  | <b>-0,13</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-1,46</b> |
| 77,0 | <b>Udder</b>           | <b>0,31</b>  |
|      | <b>SHI</b>             | <b>-26,8</b> |
|      | rank                   | 447.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                       |                   |                |
|------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                   | Registration number   | Birth date        | State Register |
| <b>SANDY-VALLEY SPICEMASTER-ET</b> | <b>US000128385579</b> | <b>22.08.1999</b> | <b>MED-005</b> |

|                   |                                   |              |             |
|-------------------|-----------------------------------|--------------|-------------|
| Country of origin | US                                | <b>Breed</b> | H100        |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA          |
|                   |                                   | Paternity    | 15.11.2004  |
|                   |                                   | USA          | IMMGN20418A |

### Pedigree

|                             |                 |                             |
|-----------------------------|-----------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b>      | OSDEL-ENDEAVOR BOVA CUBBY   |
| HA-HO CUBBY MANFRED-ET      | US000001986164  | BA-002                      |
| US000002183007              | <b>PGD</b>      | HA-HO TESK MELANIE          |
|                             | US0000013066986 |                             |
| <b>Dam</b>                  | <b>MGS</b>      | MAIZEFIELD BELLWOOD-ET      |
| SANDY VALLEY B-W FAYANNE-ET | US000002103297  | MEW-004                     |
| US0000015907460             | <b>MGD</b>      | SANDY VALLEY BELLT FANNY-ET |
|                             | US0000015363743 |                             |

|                             |            |           |           |            |             |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>91</b> | Daug.      | <b>1143</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1036</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat      | %            | rank       | 235.        |
| <b>23235</b>                |            |           |           | <b>217</b> |             | <b>6</b> | <b>-0,06</b> | <b>9</b>   | <b>0,04</b> |
|                             |            |           |           |            |             |          |              | <b>SCS</b> | <b>3,34</b> |
|                             |            |           |           |            |             |          |              | rank       | 971.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>61 / 28</b> | Daug. | <b>370</b> | 78,5 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,56</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 651.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | -0,14 |    |    |   |    |    |
| Chest Width           | -0,58 |    |    |   |    |    |
| Body Depth            | -0,05 |    |    |   |    |    |
| Rump Angle            | -0,40 |    |    |   |    |    |
| Rear Legs Side View   | 0,59  |    |    |   |    |    |
| Foot Angle            | 0,06  |    |    |   |    |    |
| Fore Udder Attachment | 0,44  |    |    |   |    |    |
| Front Teat Placement  | 0,80  |    |    |   |    |    |
| Teat Length           | 0,48  |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | -0,15 |    |    |   |    |    |
| Udder Depth           | 0,80  |    |    |   |    |    |
| Rump Width            | -0,55 |    |    |   |    |    |
| Rear Legs Rear View   | -0,42 |    |    |   |    |    |
| Rear Teat Placement   | 0,07  |    |    |   |    |    |
| Locomotion            | -0,63 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 81,5 | <b>Frame</b>           | <b>-0,25</b> |
|                 | 78,5 | <b>Dairy Strength</b>  | <b>-0,89</b> |
|                 | 77,7 | <b>Feet &amp; Legs</b> | <b>-1,68</b> |
|                 | 77,3 | <b>Udder</b>           | <b>0,22</b>  |
|                 |      | <b>SHI</b>             | <b>9,0</b>   |
|                 |      | rank                   | 339.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                            |                   |                       |
|-------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>        | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>MAYVAL OZFEST-ET</b> | <b>US000134281913</b>      | <b>01.04.2003</b> | <b>ELL-004</b>        |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.08.2004 |
|                   |                                   | US           | DC124038   |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>                                | <b>PGS</b> | ETAZON LORD LILY-ET<br>NL000780180664          |
| VISION-GEN OZZIE-ET<br>US000122185573      | <b>PGD</b> | MAR-RIVER BELLWOOD OLIVIA-ET<br>US000015809928 |
| <b>Dam</b>                                 | <b>MGS</b> | STARTMORE RUDOLPH-ET<br>CA000005470579         |
| MAYVAL RUDOLPH HARIAH-ET<br>US000126458949 | <b>MGD</b> | MAYVAL MTN KALEY<br>US000015476261             |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 36 | Daug. | 745 | Rel. | 99 % | <b>SPI</b> | 1199 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  |      | rank       | 209. |
| <b>15003</b>                |            |           |    | 284   | 14  | 0,04 | 7    | <b>SCS</b> | 2,75 |
|                             |            |           |    |       |     |      |      | rank       | 236. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 46 / 14 | Daug. | 340 | 79,4 | Rel. | 96 % | <b>TYPE</b> | -0,56 |
|                  |             |       |         |       |     |      |      | rank | 652.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,89 |    |    |   |    |    |
| Angularity            | -0,86 |    |    |   |    |    |
| Chest Width           | 0,33  |    |    |   |    |    |
| Body Depth            | 0,14  |    |    |   |    |    |
| Rump Angle            | -1,70 |    |    |   |    |    |
| Rear Legs Side View   | 0,79  |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | 0,10  |    |    |   |    |    |
| Teat Length           | 0,03  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | 0,70  |    |    |   |    |    |
| Udder Depth           | 0,10  |    |    |   |    |    |
| Rump Width            | -0,32 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | -0,15 |    |    |   |    |    |
| Locomotion            | 0,53  |    |    |   |    |    |
| Body Condition        | 0,18  |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 82,2 | <b>Frame</b> | -1,16 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 79,5 | <b>Dairy Strength</b> | -1,47 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 80,6 | <b>Feet &amp; Legs</b> | 0,77 |
|------|------------------------|------|

|      |              |      |
|------|--------------|------|
| 77,5 | <b>Udder</b> | 0,20 |
|------|--------------|------|

|  |            |      |
|--|------------|------|
|  | <b>SHI</b> | 13,8 |
|--|------------|------|

rank 318.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ZUDUX</b>     | <b>DE000113905984</b>      | <b>27.07.2003</b> | <b>ZAK-002</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | DE                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 24.10.2003 |
|                          |                                   | <b>DEU</b>       | 03/43114   |

### Pedigree

|                |            |                             |
|----------------|------------|-----------------------------|
| <b>Sire</b>    | <b>PGS</b> | CHANCE SOUTHWIND LB ZACK-ET |
| ZAPPA          |            | US000002156938              |
| DE001300167987 | <b>PGD</b> | BELLA                       |
|                |            | DE001021038732              |
| <b>Dam</b>     | <b>MGS</b> | LADIN                       |
| WALENA         |            | DE000102650777              |
| DE000110337210 | <b>MGD</b> | SELENA                      |
|                |            | DE000108058708              |

|                             |            |              |           |              |           |             |             |              |              |
|-----------------------------|------------|--------------|-----------|--------------|-----------|-------------|-------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>36</b> | <b>Daug.</b> | <b>95</b> | <b>Rel.</b> | <b>92 %</b> | <b>SPI</b>   | <b>-1550</b> |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |           | <b>Fat</b>  |             | <b>%</b>     | <b>Prot.</b> |
| <b>1984</b>                 |            |              |           | <b>-261</b>  |           | <b>-18</b>  |             | <b>-0,16</b> | <b>-11</b>   |
|                             |            |              |           |              |           |             |             | <b>-0,07</b> | <b>rank</b>  |
|                             |            |              |           |              |           |             |             | <b>SCS</b>   | <b>2,96</b>  |
|                             |            |              |           |              |           |             |             |              | <b>rank</b>  |
|                             |            |              |           |              |           |             |             |              | <b>776.</b>  |
|                             |            |              |           |              |           |             |             |              | <b>476.</b>  |

|                  |             |              |              |              |           |             |             |             |             |              |
|------------------|-------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>9 / 7</b> | <b>Daug.</b> | <b>21</b> | <b>77,4</b> | <b>Rel.</b> | <b>62 %</b> | <b>TYPE</b> | <b>-0,56</b> |
|                  |             |              |              |              |           |             |             |             | <b>rank</b> | <b>653.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,32  |    |    |   |    |    |
| Angularity            | -0,28 |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | -0,09 |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | 0,47  |    |    |   |    |    |
| Front Teat Placement  | 0,04  |    |    |   |    |    |
| Teat Length           | -0,02 |    |    |   |    |    |
| Rear Udder Height     | 0,13  |    |    |   |    |    |
| Rear Udder Width      | -0,30 |    |    |   |    |    |
| Central Ligament      | -0,05 |    |    |   |    |    |
| Udder Depth           | 0,52  |    |    |   |    |    |
| Rump Width            | -0,42 |    |    |   |    |    |
| Rear Legs Rear View   | -0,63 |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>-0,00</b> |
| 76,9 | <b>Dairy Strength</b>  | <b>-1,04</b> |
| 76,2 | <b>Feet &amp; Legs</b> | <b>-0,81</b> |
| 76,6 | <b>Udder</b>           | <b>0,08</b>  |
|      | <b>SHI</b>             | <b>-69,1</b> |
|      | <b>rank</b>            | <b>...</b>   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>LA-POE K HARDTAC-ET</b> | <b>US000002073505</b> | <b>17.02.1988</b> | <b>KLK-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 08.11.1988 |
|                   |                                   | USA          | IG116908C  |

### Pedigree

|                           |            |                           |
|---------------------------|------------|---------------------------|
| <b>Sire</b>               | <b>PGS</b> | CEDAR-GROVE GOLDEN NUGGET |
| RUANN GOLDEN NUGGET KLARK |            | US000001617266            |
| US000001829881            | <b>PGD</b> | RUANN CHIEF KLARA         |
|                           |            | US000008259713            |
| <b>Dam</b>                | <b>MGS</b> | CAL-CLARK BOARD CHAIRMAN  |
| LA-POE B C HONESTY        |            | US000001723741            |
| US0000011895858           | <b>MGD</b> | LA-POE MARS HONNOR        |
|                           |            | US000010318362            |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>43</b> | Daug.       | <b>264</b> | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>-2024</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 880.         |
| <b>4900</b>                 |            |           |           | <b>-579</b> |            | <b>-11</b> | <b>0,22</b> | <b>SCS</b> | <b>3,30</b>  |
|                             |            |           |           |             |            | <b>-14</b> | <b>0,09</b> | rank       | 922.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 10</b> | Daug. | <b>11</b> | 78,1 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-0,56</b> |
|                  |             |       |                |       |           |      |      | rank        | 654.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,81 |    |    |   |    |    |
| Angularity            | -0,13 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | 0,37  |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | 0,20  |    |    |   |    |    |
| Rear Udder Width      | -0,26 |    |    |   |    |    |
| Central Ligament      | 0,31  |    |    |   |    |    |
| Udder Depth           | -0,88 |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | -0,79 |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | 0,39  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,8 | <b>Frame</b>           | <b>-0,68</b> |
| 75,2 | <b>Dairy Strength</b>  | <b>-0,14</b> |
| 78,1 | <b>Feet &amp; Legs</b> | <b>-0,55</b> |
| 78,5 | <b>Udder</b>           | <b>-0,00</b> |
|      | <b>SHI</b>             | <b>-83,6</b> |
|      | rank                   | 581.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                            |                   |                       |
|------------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                   | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HONEYCREST JOLT LITENING-ET</b> | <b>US000018037275</b>      | <b>14.09.1997</b> | <b>BEL-022</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | US                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 27.08.2002 |
|                          |                                   | USA              | IG240256D  |

### Pedigree

|                             |                |                            |
|-----------------------------|----------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE  |
| SECOND-LOOK JOLT            | US000001964484 | BEL-001                    |
| US000002149849              | <b>PGD</b>     | JO-HAR MARK JOYFUL         |
|                             | US000013576914 |                            |
| <b>Dam</b>                  | <b>MGS</b>     | MADAWASKA AEROSTAR         |
| HONEYCREST AEROSTAR MARY-ET | CA000000383622 | STB-011                    |
| US000014826990              | <b>MGD</b>     | HONEYCREST BLKSTAR KATHRYN |
|                             | US000014066463 |                            |

|                             |            |              |     |              |      |             |      |              |            |
|-----------------------------|------------|--------------|-----|--------------|------|-------------|------|--------------|------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 141 | <b>Daug.</b> | 2856 | <b>Rel.</b> | 99 % | <b>SPI</b>   | -1031      |
| <b>Number controls</b>      |            | <b>BV</b>    |     | <b>Milk</b>  |      | <b>Fat</b>  |      | <b>%</b>     |            |
| 53618                       |            |              |     | -94          | -12  | -0,17       | -9   | -0,14        |            |
|                             |            |              |     |              |      |             |      | <b>Prot.</b> |            |
|                             |            |              |     |              |      |             |      |              | rank 655.  |
|                             |            |              |     |              |      |             |      | <b>SCS</b>   | 3,73       |
|                             |            |              |     |              |      |             |      |              | rank 1205. |

|                  |             |              |          |              |     |      |             |      |             |       |
|------------------|-------------|--------------|----------|--------------|-----|------|-------------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 102 / 32 | <b>Daug.</b> | 939 | 78,4 | <b>Rel.</b> | 99 % | <b>TYPE</b> | -0,57 |
|                  |             |              |          |              |     |      |             |      | rank 655.   |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,00 |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | 1,72  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -0,03 |    |    |   |    |    |
| Teat Length           | 1,10  |    |    |   |    |    |
| Rear Udder Height     | 0,54  |    |    |   |    |    |
| Rear Udder Width      | 0,34  |    |    |   |    |    |
| Central Ligament      | -0,31 |    |    |   |    |    |
| Udder Depth           | -1,06 |    |    |   |    |    |
| Rump Width            | -0,68 |    |    |   |    |    |
| Rear Legs Rear View   | -0,54 |    |    |   |    |    |
| Rear Teat Placement   | -0,52 |    |    |   |    |    |
| Locomotion            | -0,53 |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 81,0 | <b>Frame</b>           | -0,22 |
|                 | 79,1 | <b>Dairy Strength</b>  | 0,40  |
|                 | 77,6 | <b>Feet &amp; Legs</b> | -2,12 |
|                 | 77,2 | <b>Udder</b>           | -0,30 |
|                 |      | <b>SHI</b>             | -53,8 |
|                 |      | rank                   | 516.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
|                   | <b>FR006288018166</b>             | <b>04.10.1988</b> | <b>COR-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 25.07.1990     |
|                   |                                   | NLD               | 019004618010   |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | WAPA ARLINDA CONDUCTOR     |
| COTOPIERRE PATRON         |            | US000001583197             |
| CA000000365086            | <b>PGD</b> | MYRTLEVILLE PATRICIA       |
|                           |            | CA000002767454             |
| <b>Dam</b>                | <b>MGS</b> | GLENAFTON ENHANCER         |
| SHADY-LAWN-U LICORICE RED |            | CA000000343514             |
| US000011882992            | <b>MGD</b> | SHADY-LAWN-U CT LUCKY LADY |
|                           |            | US000010613001             |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>156</b> | Daug.       | <b>1181</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3799</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 1236.        |
| <b>24004</b>                |            |           |            | <b>-794</b> |             | <b>-37</b> | <b>-0,15</b> | <b>SCS</b> | <b>2,65</b>  |
|                             |            |           |            |             |             | <b>-26</b> | <b>-0,05</b> | rank       | 151.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 7</b> | Daug. | <b>34</b> | 75,8 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,58</b> |
|                  |             |       |               |       |           |      |      | rank        | 656.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,19 |    |    |   |    |    |
| Angularity            | -0,36 |    |    |   |    |    |
| Chest Width           | 1,06  |    |    |   |    |    |
| Body Depth            | 0,72  |    |    |   |    |    |
| Rump Angle            | -1,08 |    |    |   |    |    |
| Rear Legs Side View   | 0,48  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | -0,64 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | -0,30 |    |    |   |    |    |
| Rear Udder Width      | -0,64 |    |    |   |    |    |
| Central Ligament      | 0,13  |    |    |   |    |    |
| Udder Depth           | 0,63  |    |    |   |    |    |
| Rump Width            | -0,04 |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | -0,31 |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | 0,82  |    |    |   |    |    |

daught. average

78,6 **Frame** **0,32**

74,6 **Dairy Strength** **0,31**

77,1 **Feet & Legs** **-0,32**

74,1 **Udder** **-1,40**

**SHI** **-137,7**

rank 638.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MAYDAY-ET</b>  | <b>DE000113269561</b>             | <b>16.06.2001</b> | <b>MNL-013</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 05.09.2001     |
|                   |                                   | DEU               | 01/10118       |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET |            | US000002119526              |
| US000002297473        | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007               |            | US000014334791              |
| <b>Dam</b>            | <b>MGS</b> | ESQUIMAU                    |
| WENCKE                |            | FR002989026154              |
| DE000110065251        | <b>MGD</b> | RODESIO                     |
|                       |            | DE000107740925              |

|                             |            |           |           |            |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>16</b> | Daug.      | <b>31</b> | Rel.      | <b>83 %</b> | <b>SPI</b> | <b>2112</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |             | rank       | 92.         |
| <b>673</b>                  |            |           |           | <b>224</b> |           | <b>34</b> | <b>0,44</b> | <b>SCS</b> | <b>3,06</b> |
|                             |            |           |           |            |           | <b>14</b> | <b>0,14</b> | rank       | 604.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 9</b> | Daug. | <b>14</b> | 78,0 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>-0,58</b> |
|                  |             |       |               |       |           |      |      | rank        | 657.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,99 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | -0,53 |    |    |   |    |    |
| Body Depth            | -0,53 |    |    |   |    |    |
| Rump Angle            | -1,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,64 |    |    |   |    |    |
| Foot Angle            | -0,59 |    |    |   |    |    |
| Fore Udder Attachment | 0,83  |    |    |   |    |    |
| Front Teat Placement  | 0,56  |    |    |   |    |    |
| Teat Length           | -0,99 |    |    |   |    |    |
| Rear Udder Height     | 0,14  |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | 0,36  |    |    |   |    |    |
| Udder Depth           | 0,15  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | -0,16 |    |    |   |    |    |
| Rear Teat Placement   | 0,91  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,3 | <b>Frame</b>           | <b>-1,64</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,97</b> |
| 76,6 | <b>Feet &amp; Legs</b> | <b>-0,23</b> |
| 77,9 | <b>Udder</b>           | <b>0,58</b>  |
|      | <b>SHI</b>             | <b>40,4</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>LAUFER-ET</b> | <b>DE000114573779</b> | <b>12.12.2004</b> | <b>LUS-006</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 21.03.2005 |
|                   |                                   | DEU          | 05/34911   |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | LUKAS                     |
| LAUDAN-ET      |            | DE001012104370            |
| DE000578448776 | <b>PGD</b> | BRISANZ 1                 |
|                |            | DE000576302497            |
| <b>Dam</b>     | <b>MGS</b> | BEACHLAWN GELPRO TOBEY-ET |
| ARELIA 25      |            | US000002182343            |
| FR005703101059 | <b>MGD</b> | LIESERIE                  |
|                |            | FR008895004292            |

|                             |            |           |           |           |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.     | <b>135</b> | Rel.      | <b>95 %</b>  | <b>SPI</b> | <b>280</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat       | %            | rank       | 372.        |
| <b>3035</b>                 |            |           |           | <b>63</b> |            | <b>-8</b> | <b>-0,21</b> | <b>6</b>   | <b>0,09</b> |
|                             |            |           |           |           |            |           |              | <b>SCS</b> | <b>2,66</b> |
|                             |            |           |           |           |            |           |              | rank       | 153.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 8</b> | Daug. | <b>24</b> | 78,0 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-0,59</b> |
|                  |             |       |               |       |           |      |      | rank        | 658.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,73 |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | -0,52 |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,58 |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | 0,39  |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | 0,11  |    |    |   |    |    |
| Central Ligament      | 0,17  |    |    |   |    |    |
| Udder Depth           | -0,83 |    |    |   |    |    |
| Rump Width            | -0,62 |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 79,4 | <b>Frame</b> | <b>-1,22</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,5 | <b>Dairy Strength</b> | <b>0,70</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,9 | <b>Feet &amp; Legs</b> | <b>-1,11</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,3 | <b>Udder</b> | <b>0,00</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-15,1</b> |
|--|------------|--------------|

rank 413.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CAJUGA-ET</b>  | <b>DE000579172666</b>             | <b>01.11.2000</b> | <b>CAL-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 11.12.2000     |
|                   |                                   | DEU               | 00/14300       |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | STRICKLER ROYALTY CADILLAC-ET |
| CARED          |            | US000002046246                |
| DE000730209621 | <b>PGD</b> | RED-SUN 683                   |
|                |            | DE000724049317                |
| <b>Dam</b>     | <b>MGS</b> | ETAZON LORD LILY-ET           |
| SINTJE87RF     |            | NL000780180664                |
| NL000194119786 | <b>MGD</b> | HOOKWOOD SIENTJE 67           |
|                |            | NL000783703813                |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 55 | Daug. | 549 | Rel. | 99 % | <b>SPI</b> | -177 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| <b>12488</b>                |            |           |    | -198  |     | 3    | 0,19 | 0          | 0,14 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,84 |
|                             |            |           |    |       |     |      |      | rank       | 463. |
|                             |            |           |    |       |     |      |      | rank       | 332. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 20 | 78,5 | Rel. | 62 % | <b>TYPE</b> | -0,60 |
|                  |             |       |       |       |    |      |      | rank | 659.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,16 |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | -0,74 |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | -0,56 |    |    |   |    |    |
| Teat Length           | -0,41 |    |    |   |    |    |
| Rear Udder Height     | 0,10  |    |    |   |    |    |
| Rear Udder Width      | 0,00  |    |    |   |    |    |
| Central Ligament      | -0,83 |    |    |   |    |    |
| Udder Depth           | -0,05 |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,73 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,1 | <b>Frame</b>           | -0,53 |
| 80,3 | <b>Dairy Strength</b>  | -0,35 |
| 80,3 | <b>Feet &amp; Legs</b> | -0,72 |
| 74,8 | <b>Udder</b>           | -0,47 |
|      | <b>SHI</b>             | -29,3 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>ELUSIVE-ET</b> | <b>SK000047055853</b>             | 11.12.1994   | <b>EVE-003</b> |
| Country of origin | SK                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 27.11.1995     |
|                   |                                   | SVK          | 0202/05        |

### Pedigree

|                               |            |                           |
|-------------------------------|------------|---------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ARLINDA ROTATE            |
| ELUSIVE ROTATE DUKE-ET        |            | US000001697572            |
| US000002027752                | <b>PGD</b> | BONWOOD VALIANT DREAM     |
| GEN-009                       |            | US000011082940            |
| <b>Dam</b>                    | <b>MGS</b> | MARSHFIELD ELEVATION TONY |
| MANSION-VALLEY TONY BERTIE-ET |            | US000001626813            |
| US000012156936                | <b>MGD</b> | WILLARDS MATT BERTHA      |
|                               |            | US000009998778            |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 74 | Daug. | 307 | Rel. | 98 % | <b>SPI</b> | -1003 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>6533</b>                 |            |           |    | -161  |     | -5   | 0,02 | -10        | -0,12 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,00  |
|                             |            |           |    |       |     |      |      | rank       | 647.  |
|                             |            |           |    |       |     |      |      | rank       | 546.  |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 29 / 16 | Daug. | 54 | 77,4 | Rel. | 82 % | <b>TYPE</b> | -0,61 |
|                  |             |       |         |       |    |      |      |      | rank        | 660.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,47  |    |    |   |    |    |
| Angularity            | -0,28 |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | 0,16  |    |    |   |    |    |
| Rump Angle            | 0,92  |    |    |   |    |    |
| Rear Legs Side View   | -0,03 |    |    |   |    |    |
| Foot Angle            | 0,29  |    |    |   |    |    |
| Fore Udder Attachment | -0,87 |    |    |   |    |    |
| Front Teat Placement  | -0,76 |    |    |   |    |    |
| Teat Length           | -0,47 |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | -0,44 |    |    |   |    |    |
| Central Ligament      | -0,85 |    |    |   |    |    |
| Udder Depth           | -0,19 |    |    |   |    |    |
| Rump Width            | 0,53  |    |    |   |    |    |
| Rear Legs Rear View   | 0,47  |    |    |   |    |    |
| Rear Teat Placement   | -0,44 |    |    |   |    |    |
| Locomotion            | 0,25  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,5 | <b>Frame</b>           | <b>0,70</b>  |
| 75,2 | <b>Dairy Strength</b>  | <b>-0,56</b> |
| 79,3 | <b>Feet &amp; Legs</b> | <b>0,63</b>  |
| 75,9 | <b>Udder</b>           | <b>-1,65</b> |
|      | <b>SHI</b>             | <b>-54,5</b> |
|      | rank                   | 519.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BORNEO</b>     | <b>DE000041421180</b>             | <b>28.04.1997</b> | <b>RUH-001</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 12.06.1997            |
|                   |                                   | DEU               | 97/8235               |

### Pedigree

|                      |            |                           |         |
|----------------------|------------|---------------------------|---------|
| <b>Sire</b>          | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| STARTMORE RUDOLPH-ET |            | CA000000383622            | STB-011 |
| CA000005470579       | <b>PGD</b> | STARTMORE RACHELLE-ET     |         |
| ARS-015              |            | CA000004324253            |         |
| <b>Dam</b>           | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE |         |
| ATHENA               |            | US000001964484            | BEL-001 |
| DE001015204301       | <b>MGD</b> | ATLANTA                   |         |
|                      |            | DE001015068256            |         |

|                             |            |           |    |            |    |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug.      | 97 | Rel.      | 93 %        | <b>SPI</b> | 1529        |
| Number controls             |            | <b>BV</b> |    | Milk       |    | Fat       | %           | Prot.      | %           |
| <b>1936</b>                 |            |           |    | <b>146</b> |    | <b>27</b> | <b>0,38</b> | <b>9</b>   | <b>0,10</b> |
|                             |            |           |    |            |    |           |             | <b>SCS</b> | <b>3,50</b> |
|                             |            |           |    |            |    |           |             | rank       | 150.        |
|                             |            |           |    |            |    |           |             | rank       | 1111.       |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 11 | Daug. | 17 | 76,4 | Rel. | 63 % | <b>TYPE</b> | -0,61 |
|                  |             |       |         |       |    |      |      |      | rank        | 661.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,49  |    |    |   |    |    |
| Angularity            | 0,21  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,40 |    |    |   |    |    |
| Rump Angle            | -0,46 |    |    |   |    |    |
| Rear Legs Side View   | -0,24 |    |    |   |    |    |
| Foot Angle            | -0,67 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,60 |    |    |   |    |    |
| Teat Length           | -0,60 |    |    |   |    |    |
| Rear Udder Height     | 0,07  |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 1,05  |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | -0,07 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

daught. average

79,1 **Frame** **0,50**

75,5 **Dairy Strength** **0,25**

75,6 **Feet & Legs** **-1,04**

75,9 **Udder** **-0,83**

**SHI** **21,6**

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LEDEL</b>      | <b>HU003969362504</b>             | <b>12.04.1983</b> | <b>LEL-001</b> |
| Country of origin | HU                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>                             | <b>PGS</b> | HARRISBURG GAY IDEAL<br>US000001512026       |
| LE-DEL IDEAL,SUPERIOR<br>US000001647190 | <b>PGD</b> | LEDEL FURY DESIGN,STARDUST<br>US000006988043 |
| <b>Dam</b>                              | <b>MGS</b> | CUMVA PROUD PERFORM.<br>US000001590689       |
| 3969.PIROSKA<br>HU0036178FR504          | <b>MGD</b> | 3617.PIROSKA<br>HU0014648FR504               |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>90</b> | Daug.       | <b>728</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2197</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 910.         |
| <b>12480</b>                |            |           |           | <b>-538</b> |            | <b>-17</b> | <b>0,05</b> | <b>SCS</b> | <b>3,18</b>  |
|                             |            |           |           |             |            | <b>-15</b> | <b>0,03</b> | rank       | 769.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 13</b> | Daug. | <b>227</b> | 75,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,62</b> |
|                  |             |       |                |       |            |      |      | rank        | 662.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,53 |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | 0,19  |    |    |   |    |    |
| Body Depth            | -0,04 |    |    |   |    |    |
| Rump Angle            | -0,49 |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | -0,05 |    |    |   |    |    |
| Front Teat Placement  | -0,39 |    |    |   |    |    |
| Teat Length           | 0,25  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,37 |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | -0,68 |    |    |   |    |    |
| Rump Width            | -0,43 |    |    |   |    |    |
| Rear Legs Rear View   | -0,07 |    |    |   |    |    |
| Rear Teat Placement   | -1,43 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,63  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 73,0 | <b>Frame</b>           | <b>-0,58</b> |
| 73,8 | <b>Dairy Strength</b>  | <b>-0,22</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,57</b> |
| 77,2 | <b>Udder</b>           | <b>-0,33</b> |
|      | <b>SHI</b>             | <b>-91,0</b> |
|      | rank                   | 594.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ORPHIN</b>    | <b>FR007698010362</b>      | <b>03.04.1998</b> | <b>GIN-002</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | FR                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 05.06.2003 |
|                          |                                   | <b>FRA</b>       | F/S        |

### Pedigree

|                |                |                           |
|----------------|----------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE |
| GIBBON         | US000001964484 | BEL-001                   |
| FR002991000305 | <b>PGD</b>     | COLOMBE                   |
| BEL-019        | FR002987038678 |                           |
| <b>Dam</b>     | <b>MGS</b>     | TESK-HOLM VALIANT ROCKIE  |
| JELTJE 39      | US000001841366 | VAL-016                   |
| FR007693003525 | <b>MGD</b>     | JELTJE 33                 |
|                | FR006288001588 |                           |

|                             |            |              |    |              |     |             |      |              |          |
|-----------------------------|------------|--------------|----|--------------|-----|-------------|------|--------------|----------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 54 | <b>Daug.</b> | 761 | <b>Rel.</b> | 99 % | <b>SPI</b>   | 2275     |
| <b>Number controls</b>      |            | <b>BV</b>    |    | <b>Milk</b>  |     | <b>Fat</b>  |      | <b>%</b>     |          |
| 15364                       |            |              |    | 324          | 18  | 0,10        | 20   | 0,21         |          |
|                             |            |              |    |              |     |             |      | <b>Prot.</b> |          |
|                             |            |              |    |              |     |             |      |              | rank 74. |
|                             |            |              |    |              |     |             |      | <b>SCS</b>   | 2,35     |
|                             |            |              |    |              |     |             |      |              | rank 34. |

|                  |             |              |         |              |     |      |             |      |             |       |
|------------------|-------------|--------------|---------|--------------|-----|------|-------------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 32 / 15 | <b>Daug.</b> | 252 | 78,2 | <b>Rel.</b> | 94 % | <b>TYPE</b> | -0,62 |
|                  |             |              |         |              |     |      |             |      | rank        | 663.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,65  |    |    |   |    |    |
| Angularity            | -0,64 |    |    |   |    |    |
| Chest Width           | 0,81  |    |    |   |    |    |
| Body Depth            | 0,97  |    |    |   |    |    |
| Rump Angle            | -0,93 |    |    |   |    |    |
| Rear Legs Side View   | 0,22  |    |    |   |    |    |
| Foot Angle            | 0,06  |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -1,05 |    |    |   |    |    |
| Teat Length           | -1,42 |    |    |   |    |    |
| Rear Udder Height     | -0,91 |    |    |   |    |    |
| Rear Udder Width      | -0,40 |    |    |   |    |    |
| Central Ligament      | -1,18 |    |    |   |    |    |
| Udder Depth           | -0,64 |    |    |   |    |    |
| Rump Width            | 0,18  |    |    |   |    |    |
| Rear Legs Rear View   | -0,45 |    |    |   |    |    |
| Rear Teat Placement   | -1,75 |    |    |   |    |    |
| Locomotion            | -0,28 |    |    |   |    |    |
| Body Condition        | 0,37  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 82,4 | <b>Frame</b>           | 1,34  |
| 78,5 | <b>Dairy Strength</b>  | -0,09 |
| 78,6 | <b>Feet &amp; Legs</b> | -0,75 |
| 75,6 | <b>Udder</b>           | -2,22 |
|      | <b>SHI</b>             | 43,8  |
|      | rank                   | 219.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JUPLIER</b>    | <b>LU001089710678</b>             | <b>17.12.1990</b> | <b>JUB-018</b> |
| Country of origin | LU                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.06.1991     |
|                   |                                   | DEU               | 91/9096        |

### Pedigree

|                       |            |                                |
|-----------------------|------------|--------------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET |            | US000001629391                 |
| CA000000376455        | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                       |            | CA000003003616                 |
| <b>Dam</b>            | <b>MGS</b> | S-W-D VALIANT                  |
| KANNE 231             |            | US000001650414                 |
| DE001089130949        | <b>MGD</b> | KAETE                          |
|                       |            | DE001004453425                 |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>158</b> | Daug.       | <b>1843</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1663</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 802.         |
| <b>37854</b>                |            |           |            | <b>-403</b> |             | <b>-6</b>  | <b>0,18</b>  | <b>SCS</b> | <b>2,82</b>  |
|                             |            |           |            |             |             | <b>-15</b> | <b>-0,06</b> | rank       | 311.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 13</b> | Daug. | <b>89</b> | 75,6 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>-0,62</b> |
|                  |             |       |                |       |           |      |      | rank        | 664.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,19 |    |    |   |    |    |
| Angularity            | -0,45 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | -0,15 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | 0,79  |    |    |   |    |    |
| Teat Length           | -0,70 |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | -0,62 |    |    |   |    |    |
| Udder Depth           | -1,26 |    |    |   |    |    |
| Rump Width            | -0,22 |    |    |   |    |    |
| Rear Legs Rear View   | -0,05 |    |    |   |    |    |
| Rear Teat Placement   | -0,46 |    |    |   |    |    |
| Locomotion            | -0,34 |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,9 | <b>Frame</b>           | <b>0,06</b>  |
| 73,7 | <b>Dairy Strength</b>  | <b>-0,59</b> |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-0,42</b> |
| 74,8 | <b>Udder</b>           | <b>-0,59</b> |
|      | <b>SHI</b>             | <b>-75,0</b> |
|      | rank                   | 565.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>TEASER-ET</b>  | <b>FR002929952275</b>             | <b>04.12.2002</b> | <b>MGN-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.03.2003     |
|                   |                                   | FRA               | 160383         |

### Pedigree

|                           |            |                        |
|---------------------------|------------|------------------------|
| <b>Sire</b>               | <b>PGS</b> | ELLBANK AIRLINER-ET    |
| SIKKEMA-STAR AIR MAGNA-ET |            | US000002122404         |
| US000017044645            | <b>PGD</b> | BELLA-J THOR MAGGIE-ET |
|                           |            | US000014973956         |
| <b>Dam</b>                | <b>MGS</b> | RICECREST LANTZ-ET     |
| RAKEL                     |            | US000002266008         |
| FR002929952117            | <b>MGD</b> | NAOMIE                 |
|                           |            | FR002997001645         |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>98</b> | Rel.       | <b>92 %</b>  | <b>SPI</b> | <b>-2334</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 940.         |
| <b>1612</b>                 |            |           |           | <b>-551</b> |           | <b>-11</b> | <b>0,20</b>  | <b>SCS</b> | <b>2,94</b>  |
|                             |            |           |           |             |           | <b>-20</b> | <b>-0,07</b> | rank       | 448.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 11</b> | Daug. | <b>15</b> | 76,7 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>-0,63</b> |
|                  |             |       |                |       |           |      |      | rank        | 665.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,64  |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | -0,41 |    |    |   |    |    |
| Rump Angle            | -0,31 |    |    |   |    |    |
| Rear Legs Side View   | 0,89  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,47 |    |    |   |    |    |
| Front Teat Placement  | -0,83 |    |    |   |    |    |
| Teat Length           | -0,54 |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | 0,40  |    |    |   |    |    |
| Central Ligament      | -0,02 |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | 0,68  |    |    |   |    |    |
| Rear Teat Placement   | -0,41 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,1 | <b>Frame</b>           | <b>0,70</b>  |
| 76,3 | <b>Dairy Strength</b>  | <b>-1,53</b> |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,04</b> |
| 74,7 | <b>Udder</b>           | <b>-0,80</b> |
|      | <b>SHI</b>             | <b>-95,5</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>ODIXY</b>      | <b>FR005925357683</b>             | 19.03.1998   | <b>WEL-002</b> |
| Country of origin | FR                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 07.07.1999     |
|                   |                                   | FRA          | 98062954.1     |

### Pedigree

|                            |                |                              |
|----------------------------|----------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE    |
| WELLS CATALYST-ET          | US000001964484 | BEL-001                      |
| US000002193611             | <b>PGD</b>     | BARN-AIRES VAL-MEL CAROL-ET  |
| BEL-018                    | US000013757685 |                              |
| <b>Dam</b>                 | <b>MGS</b>     | NORRIELAKE CLEITUS LUKE-TWIN |
| DIXIE-LEE LUKE BLIZZARD-ET | US000002071864 | CLE-005                      |
| US000015464686             | <b>MGD</b>     | PRICES MELWOOD BETSY-ET      |
|                            | US000013792861 |                              |

|                             |            |            |           |              |             |              |             |             |             |
|-----------------------------|------------|------------|-----------|--------------|-------------|--------------|-------------|-------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds      | <b>94</b> | Daug.        | <b>1504</b> | Rel.         | <b>99 %</b> | <b>SPI</b>  | <b>-430</b> |
| Number controls             | <b>BV</b>  | Milk       | Fat       | %            | Prot.       | %            | rank        | 518.        |             |
| <b>27985</b>                |            | <b>-31</b> | <b>-4</b> | <b>-0,07</b> | <b>-4</b>   | <b>-0,08</b> | <b>SCS</b>  | <b>2,45</b> |             |
|                             |            |            |           |              |             |              | rank        | 58.         |             |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>59 / 19</b> | Daug. | <b>303</b> | 78,0 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,63</b> |
|                  |             |       |                |       |            |      | rank | 666.        |             |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | -0,45 |    |    |   |    |    |
| Chest Width           | -0,26 |    |    |   |    |    |
| Body Depth            | -0,22 |    |    |   |    |    |
| Rump Angle            | 1,10  |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,84  |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | -0,79 |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | -0,50 |    |    |   |    |    |
| Rear Udder Width      | -0,97 |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | -1,53 |    |    |   |    |    |
| Rear Legs Rear View   | 0,46  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | 0,12  |    |    |   |    |    |
| Body Condition        | -0,33 |    |    |   |    |    |

daught. average

81,0 **Frame** **-0,27**

77,8 **Dairy Strength** **-1,47**

79,1 **Feet & Legs** **2,14**

76,1 **Udder** **-1,22**

**SHI** **-38,2**

rank 474.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                     |                                   |                   |                |
|---------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number               | Birth date        | State Register |
| <b>GALAXY EXACT</b> | <b>NL000351140998</b>             | <b>27.08.2002</b> | <b>CLE-025</b> |
| Country of origin   | NL                                | <b>Breed</b>      | H100           |
| Distributor         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                     |                                   | Paternity         | 09.01.2003     |
|                     |                                   | NL                | 92962          |

### Pedigree

|                |            |                      |
|----------------|------------|----------------------|
| <b>Sire</b>    | <b>PGS</b> | EVREUX CLE-ET        |
| NOORDER DUSTIN |            | FR003789007571       |
| NL000170266664 | <b>PGD</b> | MARGRIET 114         |
|                |            | NL000774031248       |
| <b>Dam</b>     | <b>MGS</b> | RICECREST EMERSON-ET |
| GALAXY RITA    |            | US000002271271       |
| NL000269319204 | <b>MGD</b> | GALAXY MARGO         |
|                |            | NL000243018392       |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.      | <b>1875</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>553</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 323.        |
| <b>34174</b>                |            |           |           | <b>165</b> |             | <b>-4</b> | <b>-0,20</b> | <b>7</b>   | <b>0,03</b> |
|                             |            |           |           |            |             |           |              | <b>SCS</b> | <b>2,79</b> |
|                             |            |           |           |            |             |           |              | rank       | 280.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 12</b> | Daug. | <b>158</b> | 79,4 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,63</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 667.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,02  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | -0,77 |    |    |   |    |    |
| Rump Angle            | -1,25 |    |    |   |    |    |
| Rear Legs Side View   | 0,12  |    |    |   |    |    |
| Foot Angle            | -0,47 |    |    |   |    |    |
| Fore Udder Attachment | 0,55  |    |    |   |    |    |
| Front Teat Placement  | 0,50  |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | 0,04  |    |    |   |    |    |
| Rear Udder Width      | -0,34 |    |    |   |    |    |
| Central Ligament      | 0,10  |    |    |   |    |    |
| Udder Depth           | 1,33  |    |    |   |    |    |
| Rump Width            | -0,60 |    |    |   |    |    |
| Rear Legs Rear View   | 0,44  |    |    |   |    |    |
| Rear Teat Placement   | 0,32  |    |    |   |    |    |
| Locomotion            | 0,28  |    |    |   |    |    |
| Body Condition        | -0,48 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,7 | <b>Frame</b>           | <b>-0,63</b> |
| 80,3 | <b>Dairy Strength</b>  | <b>-1,14</b> |
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,66</b> |
| 76,4 | <b>Udder</b>           | <b>0,02</b>  |
|      | <b>SHI</b>             | <b>-8,6</b>  |
|      | rank                   | 388.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>J &amp; G JOCHEM</b> | <b>NL000359855999</b>             | <b>10.05.2003</b> | <b>JRM-004</b> |
| Country of origin       | NL                                | <b>Breed</b>      | R100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 29.10.2003     |
|                         |                                   | NL                | 105456         |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | CLARA S ORKAN RED            |
| JEROM          |            | NL000283076619               |
| NL000163374068 | <b>PGD</b> | MADEMEKE                     |
|                |            | NL000819471596               |
| <b>Dam</b>     | <b>MGS</b> | STRATHAIRE SOUTHWIND LUKE-ET |
| TRILUX         |            | AU000A00007327               |
| DE000578281109 | <b>MGD</b> | TRIX 241                     |
|                |            | NL000858191145               |

|                             |            |           |    |             |     |           |             |            |             |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 45 | Daug.       | 975 | Rel.      | 99 %        | <b>SPI</b> | -1137       |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %           | Prot.      | %           |
| <b>19694</b>                |            |           |    | <b>-415</b> |     | <b>-4</b> | <b>0,23</b> | <b>-7</b>  | <b>0,13</b> |
|                             |            |           |    |             |     |           |             | <b>SCS</b> | <b>3,33</b> |
|                             |            |           |    |             |     |           |             | rank       | 684.        |
|                             |            |           |    |             |     |           |             | rank       | 955.        |

|                  |             |       |        |       |     |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 8 | Daug. | 177 | 78,7 | Rel. | 92 % | <b>TYPE</b> | -0,64 |
|                  |             |       |        |       |     |      |      |      | rank        | 668.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,12  |    |    |   |    |    |
| Angularity            | -0,97 |    |    |   |    |    |
| Chest Width           | 1,00  |    |    |   |    |    |
| Body Depth            | 0,67  |    |    |   |    |    |
| Rump Angle            | 0,23  |    |    |   |    |    |
| Rear Legs Side View   | -0,93 |    |    |   |    |    |
| Foot Angle            | 0,61  |    |    |   |    |    |
| Fore Udder Attachment | -0,63 |    |    |   |    |    |
| Front Teat Placement  | -0,26 |    |    |   |    |    |
| Teat Length           | 0,28  |    |    |   |    |    |
| Rear Udder Height     | -0,99 |    |    |   |    |    |
| Rear Udder Width      | -0,51 |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -1,64 |    |    |   |    |    |
| Rump Width            | 0,72  |    |    |   |    |    |
| Rear Legs Rear View   | 0,43  |    |    |   |    |    |
| Rear Teat Placement   | -1,04 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,86  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 84,0 | <b>Frame</b>           | <b>0,80</b>  |
| 80,2 | <b>Dairy Strength</b>  | <b>-0,52</b> |
| 81,1 | <b>Feet &amp; Legs</b> | <b>0,97</b>  |
| 74,1 | <b>Udder</b>           | <b>-2,46</b> |
|      | <b>SHI</b>             | <b>-59,8</b> |
|      | rank                   | 530.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>ZAVAR HARVAL-ET</b> | <b>SK000064929862</b> | <b>22.12.1994</b> | <b>HAC-006</b> |
| Country of origin      | SK                    | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.        | Herdbook          | HA             |
|                        |                       | Paternity         | 24.06.1996     |
|                        |                       | SVK               | 0215/12        |

### Pedigree

|                              |            |                           |
|------------------------------|------------|---------------------------|
| <b>Sire</b>                  | <b>PGS</b> | RUANN GOLDEN NUGGET KLARK |
| LA-POE K HARDTAC-ET          |            | US000001829881            |
| US000002073505               | <b>PGD</b> | LA-POE B C HONESTY        |
| KLK-002                      |            | US000011895858            |
| <b>Dam</b>                   | <b>MGS</b> | ARLINDA ROTATE            |
| MEMORIAL-ACRES ROTATE TIN-ET |            | US000001697572            |
| US000012839998               | <b>MGD</b> | ROCKY-TERRACE VLNT ROZIE  |
|                              |            | US000011372002            |

|                             |            |           |    |       |     |      |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 176 | Rel. | 96 % | <b>SPI</b> | -861       |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %          |
| 3472                        |            |           |    | -188  | 0   | 0,14 | -9   | -0,09      | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 615.       |
|                             |            |           |    |       |     |      |      |            | <b>SCS</b> |
|                             |            |           |    |       |     |      |      |            | rank       |
|                             |            |           |    |       |     |      |      |            | 902.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 6 | Daug. | 29 | 75,4 | Rel. | 70 % | <b>TYPE</b> | -0,64 |
|                  |             |       |       |       |    |      |      |      | rank        | 669.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | 0,46  |    |    |   |    |    |
| Chest Width           | -0,39 |    |    |   |    |    |
| Body Depth            | -0,55 |    |    |   |    |    |
| Rump Angle            | 0,33  |    |    |   |    |    |
| Rear Legs Side View   | 0,80  |    |    |   |    |    |
| Foot Angle            | -0,58 |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | -0,02 |    |    |   |    |    |
| Teat Length           | 0,94  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,53  |    |    |   |    |    |
| Udder Depth           | 0,24  |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | -0,98 |    |    |   |    |    |
| Rear Teat Placement   | -0,51 |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,7 | <b>Frame</b>           | -0,15 |
| 74,4 | <b>Dairy Strength</b>  | 0,41  |
| 71,0 | <b>Feet &amp; Legs</b> | -1,69 |
| 75,1 | <b>Udder</b>           | -0,02 |
|      | <b>SHI</b>             | -51,7 |
|      | rank                   | 506.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JED RED</b>    | <b>FR005994022594</b>             | <b>08.11.1994</b> | <b>LER-004</b> |
| Country of origin | FR                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 22.02.1996     |
|                   |                                   | FRA               | GS 578414      |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | CA-LILL STANDOUT CAVALIER |
| KINGLEA LEADER |            | US000001620273            |
| US000001926780 | <b>PGD</b> | KINGLEA CONDUCTOR LOLI    |
|                |            | US000010515644            |
| <b>Dam</b>     | <b>MGS</b> | MEADOLAKE JUBILANT-ET     |
| GODRED HGF     |            | CA000000376455            |
| FR005991008273 | <b>MGD</b> | ENH HELEN                 |
|                |            | CA000004763033            |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>87</b> | Daug.      | <b>1223</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-776</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 592.        |
| <b>24762</b>                |            |           |           | <b>-91</b> |             | <b>-8</b> | <b>-0,10</b> | <b>SCS</b> | <b>3,08</b> |
|                             |            |           |           |            |             | <b>-7</b> | <b>-0,09</b> | rank       | 633.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 7</b> | Daug. | <b>40</b> | 77,1 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,65</b> |
|                  |             |       |               |       |           |      |      | rank        | 670.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,89 |    |    |   |    |    |
| Angularity            | 0,63  |    |    |   |    |    |
| Chest Width           | -1,04 |    |    |   |    |    |
| Body Depth            | -1,17 |    |    |   |    |    |
| Rump Angle            | -0,87 |    |    |   |    |    |
| Rear Legs Side View   | 0,40  |    |    |   |    |    |
| Foot Angle            | -0,97 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,62 |    |    |   |    |    |
| Teat Length           | -1,08 |    |    |   |    |    |
| Rear Udder Height     | 0,77  |    |    |   |    |    |
| Rear Udder Width      | 0,40  |    |    |   |    |    |
| Central Ligament      | -0,85 |    |    |   |    |    |
| Udder Depth           | 0,08  |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | 0,48  |    |    |   |    |    |
| Rear Teat Placement   | -0,56 |    |    |   |    |    |
| Locomotion            | 0,24  |    |    |   |    |    |
| Body Condition        | -0,87 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,7 | <b>Frame</b>           | <b>-1,79</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,17</b> |
| 78,7 | <b>Feet &amp; Legs</b> | <b>-0,87</b> |
| 75,5 | <b>Udder</b>           | <b>0,53</b>  |
|      | <b>SHI</b>             | <b>-49,3</b> |
|      | rank                   | 502.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                            |                       |              |                |
|----------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date   | State Register |
| <b>PEARTOME SKYDOME-ET</b> | <b>CA000005353447</b> | 21.01.1991   | <b>ARS-006</b> |
| Country of origin          | CA                    | <b>Breed</b> | H100           |
| Distributor                | INSEMAS s.r.o.        | Herdbook     | HA             |
|                            |                       | Paternity    | 16.07.1991     |
|                            |                       | CAN          | 251853         |

### Pedigree

|                        |            |                      |
|------------------------|------------|----------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR     |            | CA000000352790       |
| CA000000383622         | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011                |            | CA0000003511527      |
| <b>Dam</b>             | <b>MGS</b> | WALKWAY CHIEF MARK   |
| PEARTOME CM JOCELYN-ET |            | US000001773417       |
| CA0000004428991        | <b>MGD</b> | PEARTOME THUNDER JOY |
|                        |            | CA0000003335869      |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 56 | Daug. | 952 | Rel. | 99 % | <b>SPI</b> | -1357 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 17569                       |            |           |    | -234  |     | -5   | 0,06 | -14        | -0,16 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,24  |
|                             |            |           |    |       |     |      |      | rank       | 726.  |
|                             |            |           |    |       |     |      |      | rank       | 835.  |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 7 | Daug. | 78 | 76,5 | Rel. | 88 % | <b>TYPE</b> | -0,65 |
|                  |             |       |        |       |    |      |      | rank | 671.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,57 |    |    |   |    |    |
| Angularity            | 0,38  |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | -0,39 |    |    |   |    |    |
| Rump Angle            | -0,49 |    |    |   |    |    |
| Rear Legs Side View   | 0,00  |    |    |   |    |    |
| Foot Angle            | -0,24 |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | -0,32 |    |    |   |    |    |
| Teat Length           | 1,16  |    |    |   |    |    |
| Rear Udder Height     | 0,11  |    |    |   |    |    |
| Rear Udder Width      | -0,61 |    |    |   |    |    |
| Central Ligament      | 0,05  |    |    |   |    |    |
| Udder Depth           | 0,65  |    |    |   |    |    |
| Rump Width            | 0,40  |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | 0,93  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | -0,39 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,2 | <b>Frame</b>           | -0,68 |
| 74,4 | <b>Dairy Strength</b>  | 0,98  |
| 77,1 | <b>Feet &amp; Legs</b> | -0,74 |
| 76,0 | <b>Udder</b>           | -0,61 |
|      | <b>SHI</b>             | -67,0 |
|      | rank                   | 541.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                        |                      |                   |                |
|------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number  | Birth date        | State Register |
| <b>FRAELAND SIERRA</b> | <b>CA00000402825</b> | <b>25.10.1989</b> | <b>IS-008</b>  |
| Country of origin      | CA                   | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.       | Herdbook          | HA             |
|                        |                      | Paternity         |                |

### Pedigree

|                          |            |                         |
|--------------------------|------------|-------------------------|
| <b>Sire</b>              | <b>PGS</b> | S-W-D VALIANT           |
| HANOVER-HILL INSPIRATION |            | US000001650414          |
| CA000000363162           | <b>PGD</b> | TORA TRIPLE THREAT LULU |
| IS-003                   |            | CA000003537133          |
| <b>Dam</b>               | <b>MGS</b> | BRIDON ASTRO JET-ET     |
| SHORE ASTRO J SALENA     |            | CA000000349040          |
| CA000004034033           | <b>MGD</b> | RO-DENE PETE SALENA     |
|                          |            | CA000003673791          |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>23</b> | Daug.       | <b>180</b> | Rel.       | <b>96 %</b> | <b>SPI</b> | <b>-3449</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1176.        |
| <b>3145</b>                 |            |           |           | <b>-830</b> |            | <b>-26</b> | <b>0,12</b> | <b>SCS</b> | <b>3,32</b>  |
|                             |            |           |           |             |            | <b>-25</b> | <b>0,02</b> | rank       | 938.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>24</b> | 76,4 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>-0,66</b> |
|                  |             |       |              |       |           |      |      | rank        | 672.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,16  |    |    |   |    |    |
| Angularity            | -0,52 |    |    |   |    |    |
| Chest Width           | -0,54 |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,33  |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | 0,57  |    |    |   |    |    |
| Front Teat Placement  | -0,71 |    |    |   |    |    |
| Teat Length           | -0,44 |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | -0,72 |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | 0,90  |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | 0,18  |    |    |   |    |    |
| Rear Teat Placement   | -0,72 |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 81,4 | <b>Frame</b>           | <b>-0,12</b>  |
| 73,8 | <b>Dairy Strength</b>  | <b>-1,36</b>  |
| 75,1 | <b>Feet &amp; Legs</b> | <b>-0,48</b>  |
| 75,7 | <b>Udder</b>           | <b>-0,22</b>  |
|      | <b>SHI</b>             | <b>-130,2</b> |
|      | rank                   | 631.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LAY-OUT</b>    | <b>NL000825234239</b>             | <b>10.03.1992</b> | <b>LER-002</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.06.1992     |
|                   |                                   | NL                | 825234239      |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | CA-LILL STANDOUT CAVALIER |
| KINGLEA LEADER |            | US000001620273            |
| US000001926780 | <b>PGD</b> | KINGLEA CONDUCTOR LOLI    |
|                |            | US000010515644            |
| <b>Dam</b>     | <b>MGS</b> | HANOVERHILL STARBUCK      |
| OLGA           |            | CA000000352790            |
| DE001015076114 | <b>MGD</b> | OLIVE                     |
|                |            | DE001004531836            |

|                             |            |           |    |       |     |       |      |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 422 | Rel.  | 98 % | <b>SPI</b> | -1451      |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %          |
| <b>8412</b>                 |            |           |    | -206  | -15 | -0,16 | -12  | -0,13      | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 746.       |
|                             |            |           |    |       |     |       |      |            | <b>SCS</b> |
|                             |            |           |    |       |     |       |      |            | rank       |
|                             |            |           |    |       |     |       |      |            | 1092.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 42 | 74,8 | Rel. | 79 % | <b>TYPE</b> | -0,66 |
|                  |             |       |       |       |    |      |      |      | rank        | 673.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | -0,12 |    |    |   |    |    |
| Chest Width           | -0,87 |    |    |   |    |    |
| Body Depth            | 0,17  |    |    |   |    |    |
| Rump Angle            | 0,44  |    |    |   |    |    |
| Rear Legs Side View   | 0,81  |    |    |   |    |    |
| Foot Angle            | -0,16 |    |    |   |    |    |
| Fore Udder Attachment | -0,47 |    |    |   |    |    |
| Front Teat Placement  | 0,83  |    |    |   |    |    |
| Teat Length           | 1,41  |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | -0,15 |    |    |   |    |    |
| Central Ligament      | -0,17 |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | -0,47 |    |    |   |    |    |
| Rear Legs Rear View   | 0,19  |    |    |   |    |    |
| Rear Teat Placement   | 0,49  |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,58 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,4 | <b>Frame</b>           | -1,06 |
| 72,1 | <b>Dairy Strength</b>  | -0,78 |
| 76,1 | <b>Feet &amp; Legs</b> | -0,25 |
| 73,8 | <b>Udder</b>           | 0,11  |
|      | <b>SHI</b>             | -70,1 |
|      | rank                   | 553.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ASTOR</b>      | <b>DE001005007586</b>             | <b>11.11.1979</b> | <b>ASR-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | THONYMA ORMSBY SENATOR |
| PACLAMAR ASTRONAUT |            | US000001252985         |
| US000001458744     | <b>PGD</b> | HARBORCREST ROSE MILLY |
|                    |            | US000004141507         |
| <b>Dam</b>         | <b>MGS</b> | PENSTATE IVANHOE STAR  |
| SANTAMARIA         |            | US000001441440         |
| DE001007252215     | <b>MGD</b> | SYRTE                  |
|                    |            | DE001005244060         |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>172</b> | Daug.       | <b>1253</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3704</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1214.        |
| <b>20114</b>                |            |           |            | <b>-990</b> |             | <b>-25</b> | <b>0,28</b> | <b>SCS</b> | <b>3,28</b>  |
|                             |            |           |            |             |             | <b>-25</b> | <b>0,13</b> | rank       | 884.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 7</b> | Daug. | <b>129</b> | 75,8 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-0,66</b> |
|                  |             |       |               |       |            |      |      | rank        | 674.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,22 |    |    |   |    |    |
| Angularity            | -0,18 |    |    |   |    |    |
| Chest Width           | 0,10  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | -0,67 |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | -0,39 |    |    |   |    |    |
| Teat Length           | 0,58  |    |    |   |    |    |
| Rear Udder Height     | -0,62 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | 0,45  |    |    |   |    |    |
| Udder Depth           | -0,51 |    |    |   |    |    |
| Rump Width            | -0,59 |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | -0,96 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | 0,59  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,6 | <b>Frame</b>           | <b>-1,52</b>  |
| 74,3 | <b>Dairy Strength</b>  | <b>0,32</b>   |
| 76,7 | <b>Feet &amp; Legs</b> | <b>0,30</b>   |
| 77,1 | <b>Udder</b>           | <b>-0,26</b>  |
|      | <b>SHI</b>             | <b>-138,1</b> |
|      | rank                   | 639.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>DAIMLER-ET</b> | <b>DE000341985440</b>      | <b>22.04.1997</b> | <b>DEN-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 27.06.1997            |
|                   |                            | DEU               | 97/9017               |

### Pedigree

|                 |            |                           |         |
|-----------------|------------|---------------------------|---------|
| <b>Sire</b>     | <b>PGS</b> | MADAWASKA AEROSTAR        |         |
| DIXELLEN DESIGN |            | CA000000383622            | STB-011 |
| CA000005335690  | <b>PGD</b> | HANOVERHILL DESIGNER MISS |         |
| ARS-014         |            | CA000004183688            |         |
| <b>Dam</b>      | <b>MGS</b> | HILLSTAR-ET               |         |
| TAEUBCHEN       |            | CA000000385498            | STB-006 |
| DE001021054608  | <b>MGD</b> | TAUBE                     |         |
|                 |            | DE001020669342            |         |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 75 | Daug. | 535 | Rel. | 99 % | <b>SPI</b> | -1313 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>10871</b>                |            |           |    | -286  |     | -9   | 0,03 | -11        | -0,04 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,96  |
|                             |            |           |    |       |     |      |      | rank       | 717.  |
|                             |            |           |    |       |     |      |      | rank       | 477.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 34 | 77,2 | Rel. | 73 % | <b>TYPE</b> | -0,67 |
|                  |             |       |       |       |    |      |      | rank | 675.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,14 |    |    |   |    |    |
| Angularity            | -0,64 |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | 0,42  |    |    |   |    |    |
| Rump Angle            | -0,43 |    |    |   |    |    |
| Rear Legs Side View   | -0,98 |    |    |   |    |    |
| Foot Angle            | 0,22  |    |    |   |    |    |
| Fore Udder Attachment | -0,88 |    |    |   |    |    |
| Front Teat Placement  | -1,38 |    |    |   |    |    |
| Teat Length           | -0,59 |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | 0,05  |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | -0,73 |    |    |   |    |    |
| Rump Width            | 0,38  |    |    |   |    |    |
| Rear Legs Rear View   | 0,59  |    |    |   |    |    |
| Rear Teat Placement   | -0,72 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | 0,53  |    |    |   |    |    |

daught. average

81,2 **Frame** **0,04**

76,0 **Dairy Strength** **-1,15**

78,4 **Feet & Legs** **0,92**

75,3 **Udder** **-1,17**

**SHI** **-66,2**

rank 538.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>GRANDUC REPUTATION</b> | <b>CA000005472808</b> | <b>08.07.1991</b> | <b>ARS-011</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 06.03.1992 |
|                   |                | CAN          | 268771     |

### Pedigree

|                        |            |                       |
|------------------------|------------|-----------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVERHILL STARBUCK  |
| MADAWASKA AEROSTAR     |            | CA000000352790        |
| CA000000383622         | <b>PGD</b> | MADAWASKA SHADY       |
| STB-011                |            | CA0000003511527       |
| <b>Dam</b>             | <b>MGS</b> | ALTONA LEA PYRAMID    |
| GRANDUC ROSSIE PYRAMID |            | CA000000340978        |
| CA0000003900919        | <b>MGD</b> | GRANDUC NEPTUNE,SHEIK |
|                        |            | CA0000003478556       |

|                             |            |           |           |             |            |          |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.       | <b>691</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-423</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat      | %           | Prot.      | %           |
| <b>13340</b>                |            |           |           | <b>-164</b> |            | <b>2</b> | <b>0,16</b> | <b>-4</b>  | <b>0,02</b> |
|                             |            |           |           |             |            |          |             | <b>SCS</b> | <b>3,53</b> |
|                             |            |           |           |             |            |          |             | rank       | 515.        |
|                             |            |           |           |             |            |          |             | rank       | 1125.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>28 / 16</b> | Daug. | <b>95</b> | 76,6 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,67</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 676.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,30 |    |    |   |    |    |
| Angularity            | 0,17  |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | -0,59 |    |    |   |    |    |
| Rump Angle            | -0,92 |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | -0,31 |    |    |   |    |    |
| Front Teat Placement  | -0,62 |    |    |   |    |    |
| Teat Length           | -0,29 |    |    |   |    |    |
| Rear Udder Height     | 0,29  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | 1,03  |    |    |   |    |    |
| Udder Depth           | -0,42 |    |    |   |    |    |
| Rump Width            | 0,08  |    |    |   |    |    |
| Rear Legs Rear View   | 0,73  |    |    |   |    |    |
| Rear Teat Placement   | -0,33 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,8 | <b>Frame</b> | <b>-1,95</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 74,1 | <b>Dairy Strength</b> | <b>-0,45</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,0 | <b>Feet &amp; Legs</b> | <b>0,50</b> |
|------|------------------------|-------------|

|      |              |             |
|------|--------------|-------------|
| 76,5 | <b>Udder</b> | <b>0,43</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-39,4</b> |
|--|------------|--------------|

rank 480.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>ROBTHOM SILVER,VALANCE</b> | <b>US000001993865</b> | <b>07.07.1985</b> | <b>VAO-002</b> |
| Country of origin             | US                    | <b>Breed</b>      | H100           |
| Distributor                   |                       | Herdbook          | HA             |
|                               |                       | Paternity         | 24.04.1986     |
|                               |                       | USA               | IG 82214A      |

### Pedigree

|                     |            |                           |
|---------------------|------------|---------------------------|
| <b>Sire</b>         | <b>PGS</b> | S-W-D VALIANT             |
| SIR C VALOR         |            | US000001650414            |
| US000001811754      | <b>PGD</b> | SKYLINE ELEVATION CYNTHIA |
|                     |            | US000008425907            |
| <b>Dam</b>          | <b>MGS</b> | CARLIN-M IVANHOE BELL     |
| ROBTHOM SILVER BELL |            | US000001667366            |
| US0000011435491     | <b>MGD</b> | ROBTHOM AMBER ELEVATION   |
|                     |            | US0000010165643           |

|                             |            |           |           |             |            |            |             |             |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>60</b> | Daug.       | <b>607</b> | Rel.       | <b>99 %</b> | <b>SPI</b>  | <b>-3388</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %           | Prot.       | %            |
| <b>12099</b>                |            |           |           | <b>-833</b> |            | <b>-24</b> | <b>0,17</b> | <b>-25</b>  | <b>0,02</b>  |
|                             |            |           |           |             |            |            |             | <b>rank</b> | 1159.        |
|                             |            |           |           |             |            |            |             | <b>SCS</b>  | <b>3,45</b>  |
|                             |            |           |           |             |            |            |             | rank        | 1073.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 14</b> | Daug. | <b>79</b> | 76,3 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-0,67</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 677.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,06 |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | -0,29 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | -0,15 |    |    |   |    |    |
| Foot Angle            | -0,24 |    |    |   |    |    |
| Fore Udder Attachment | -0,87 |    |    |   |    |    |
| Front Teat Placement  | 0,11  |    |    |   |    |    |
| Teat Length           | 0,45  |    |    |   |    |    |
| Rear Udder Height     | -0,28 |    |    |   |    |    |
| Rear Udder Width      | -0,45 |    |    |   |    |    |
| Central Ligament      | -0,19 |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | 0,10  |    |    |   |    |    |
| Rear Legs Rear View   | -0,42 |    |    |   |    |    |
| Rear Teat Placement   | -0,84 |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | -0,02 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,3 | <b>Frame</b> | <b>-0,18</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 73,4 | <b>Dairy Strength</b> | <b>0,33</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Feet &amp; Legs</b> | <b>-1,04</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 77,1 | <b>Udder</b> | <b>-0,52</b> |
|------|--------------|--------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-129,1</b> |
|--|------------|---------------|

rank 628.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BLUE</b>       | <b>DE001020897393</b>      | <b>08.08.1990</b> | <b>BS-021</b>         |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 12.09.1990            |
|                   |                            | DEU               | 90/10959              |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | S-W-D VALIANT            |
| MARINA              |            | US000001650414           |
| DE001008145142      | <b>MGD</b> | MALE                     |
|                     |            | DE000006290808           |

|                             |            |           |    |       |     |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 49 | Daug. | 487 | Rel. | 98 %  | <b>SPI</b> | -3546 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 1194. |
| <b>9018</b>                 |            |           |    | -739  |     | -31  | -0,08 | <b>SCS</b> | 2,94  |
|                             |            |           |    |       |     | -26  | -0,08 | rank       | 447.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 2 | Daug. | 54 | 77,0 | Rel. | 82 % | <b>TYPE</b> | -0,68 |
|                  |             |       |       |       |    |      |      | rank | 678.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,61 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | 0,93  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,86 |    |    |   |    |    |
| Fore Udder Attachment | -0,07 |    |    |   |    |    |
| Front Teat Placement  | 0,70  |    |    |   |    |    |
| Teat Length           | 0,12  |    |    |   |    |    |
| Rear Udder Height     | -0,10 |    |    |   |    |    |
| Rear Udder Width      | -0,82 |    |    |   |    |    |
| Central Ligament      | 0,21  |    |    |   |    |    |
| Udder Depth           | 0,51  |    |    |   |    |    |
| Rump Width            | -0,35 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | -0,02 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | -0,23 |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 77,8 | <b>Frame</b>           | -0,93  |
| 76,3 | <b>Dairy Strength</b>  | 0,17   |
| 76,8 | <b>Feet &amp; Legs</b> | -1,79  |
| 77,0 | <b>Udder</b>           | 0,21   |
|      | <b>SHI</b>             | -134,1 |
|      | rank                   | 634.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>ELUSIVE-ET</b> | <b>SK000047052853</b> | <b>06.12.1994</b> | <b>EVE-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | SK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 27.11.1995 |
|                   |                                   | SVK          | 0202/02    |

### Pedigree

|                               |            |                           |
|-------------------------------|------------|---------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ARLINDA ROTATE            |
| ELUSIVE ROTATE DUKE-ET        |            | US000001697572            |
| US000002027752                | <b>PGD</b> | BONWOOD VALIANT DREAM     |
| GEN-009                       |            | US000011082940            |
| <b>Dam</b>                    | <b>MGS</b> | MARSHFIELD ELEVATION TONY |
| MANSION-VALLEY TONY BERTIE-ET |            | US000001626813            |
| US000012156936                | <b>MGD</b> | WILLARDS MATT BERTHA      |
|                               |            | US000009998778            |

|                             |            |           |            |           |            |           |              |            |              |
|-----------------------------|------------|-----------|------------|-----------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>123</b> | Daug.     | <b>992</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-737</b>  |
| Number controls             |            | <b>BV</b> |            | Milk      |            | Fat       | %            | Prot.      | %            |
| <b>20127</b>                |            |           |            | <b>38</b> |            | <b>-6</b> | <b>-0,15</b> | <b>-1</b>  | <b>-0,24</b> |
|                             |            |           |            |           |            |           |              | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |            |           |            |           |              | rank       | 583.         |
|                             |            |           |            |           |            |           |              | rank       | 745.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>47 / 23</b> | Daug. | <b>260</b> | 76,9 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,68</b> |
|                  |             |       |                |       |            |      |      | rank        | 679.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    | ■ |    |    |
| Angularity            | -0,22 |    |    | ■ |    |    |
| Chest Width           | -0,25 |    |    | ■ |    |    |
| Body Depth            | -0,30 |    |    | ■ |    |    |
| Rump Angle            | 0,65  |    |    |   | ■  |    |
| Rear Legs Side View   | 0,15  |    |    | ■ |    |    |
| Foot Angle            | 0,07  |    |    | ■ |    |    |
| Fore Udder Attachment | -0,29 |    |    | ■ |    |    |
| Front Teat Placement  | 0,36  |    |    |   | ■  |    |
| Teat Length           | -0,03 |    |    | ■ |    |    |
| Rear Udder Height     | -0,14 |    |    | ■ |    |    |
| Rear Udder Width      | -0,35 |    |    | ■ |    |    |
| Central Ligament      | 0,31  |    |    |   | ■  |    |
| Udder Depth           | -0,66 |    |    | ■ |    |    |
| Rump Width            | -0,61 |    |    | ■ |    |    |
| Rear Legs Rear View   | -0,57 |    |    | ■ |    |    |
| Rear Teat Placement   | 0,15  |    |    | ■ |    |    |
| Locomotion            | 0,27  |    |    | ■ |    |    |
| Body Condition        | -0,17 |    |    | ■ |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,5 | <b>Frame</b> | <b>-0,67</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 75,7 | <b>Dairy Strength</b> | <b>-0,83</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,0 | <b>Feet &amp; Legs</b> | <b>-0,49</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,7 | <b>Udder</b> | <b>-0,10</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-49,4</b> |
|--|------------|--------------|

rank 503.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ELMAR</b>      | <b>NL000438426836</b>             | <b>04.06.2006</b> | <b>SNR-008</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 04.07.2006     |
|                   |                                   | NL                | 144728         |

### Pedigree

|                |            |                 |
|----------------|------------|-----------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA SPARTA    |
| DELTA CANVAS   |            | NL000137409985  |
| NL000288458773 | <b>PGD</b> | DELTA CANBERRA  |
|                |            | NL000141317243  |
| <b>Dam</b>     | <b>MGS</b> | GRANDUC TRIBUTE |
| MAGY 3         |            | CA000006873798  |
| NL000354124250 | <b>MGD</b> | MAGY 1          |
|                |            | NL000192470016  |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.      | <b>740</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>955</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | Prot.      | %           |
| <b>6778</b>                 |            |           |           | <b>257</b> |            | <b>-1</b> | <b>-0,21</b> | <b>10</b>  | <b>0,03</b> |
|                             |            |           |           |            |            |           |              | rank       | 252.        |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>3,36</b> |
|                             |            |           |           |            |            |           |              | rank       | 992.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 8</b> | Daug. | <b>75</b> | 79,9 | Rel. | <b>82 %</b> | <b>TYPE</b> | <b>-0,69</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 680.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,16  |    |    |   |    |    |
| Angularity            | 0,10  |    |    |   |    |    |
| Chest Width           | -0,52 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | 0,87  |    |    |   |    |    |
| Rear Legs Side View   | -0,24 |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | 0,37  |    |    |   |    |    |
| Front Teat Placement  | 0,32  |    |    |   |    |    |
| Teat Length           | -0,40 |    |    |   |    |    |
| Rear Udder Height     | 0,20  |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | -0,40 |    |    |   |    |    |
| Udder Depth           | -0,19 |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | -0,86 |    |    |   |    |    |
| Rear Teat Placement   | 0,48  |    |    |   |    |    |
| Locomotion            | -0,20 |    |    |   |    |    |
| Body Condition        | -0,20 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,1 | <b>Frame</b>           | <b>-0,23</b> |
| 80,4 | <b>Dairy Strength</b>  | <b>-1,32</b> |
| 80,1 | <b>Feet &amp; Legs</b> | <b>-0,93</b> |
| 77,9 | <b>Udder</b>           | <b>0,04</b>  |
|      | <b>SHI</b>             | <b>1,3</b>   |
|      | rank                   | 359.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |              |                |
|---------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date   | State Register |
| <b>MARKWELL TWOMAR-ET</b> | <b>US000002167687</b> | 14.02.1991   | <b>BS-032</b>  |
| Country of origin         | US                    | <b>Breed</b> | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook     | HA             |
|                           |                       | Paternity    | 23.09.1991     |
|                           |                       | USA          | IG160455D      |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | WALKWAY CHIEF MARK       |
| MARKWELL MARK ELITE |            | US000001773417           |
| US000012568225      | <b>MGD</b> | ROCKALLI MARS EMILY      |
|                     |            | US000010271942           |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.      | <b>931</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-454</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %            | rank       | 522.        |
| <b>19963</b>                |            |           |           | <b>153</b> |            | <b>-9</b> | <b>-0,28</b> | <b>SCS</b> | <b>2,58</b> |
|                             |            |           |           |            |            | <b>-6</b> | <b>-0,25</b> | rank       | 111.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 6</b> | Daug. | <b>51</b> | 75,9 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-0,69</b> |
|                  |             |       |               |       |           |      |      | rank        | 681.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,44 |    |    |   |    |    |
| Angularity            | 0,12  |    |    |   |    |    |
| Chest Width           | -0,81 |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | 0,48  |    |    |   |    |    |
| Rear Legs Side View   | 0,65  |    |    |   |    |    |
| Foot Angle            | -1,05 |    |    |   |    |    |
| Fore Udder Attachment | 0,34  |    |    |   |    |    |
| Front Teat Placement  | 0,60  |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | 0,25  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,27 |    |    |   |    |    |
| Udder Depth           | 0,62  |    |    |   |    |    |
| Rump Width            | -0,31 |    |    |   |    |    |
| Rear Legs Rear View   | -0,62 |    |    |   |    |    |
| Rear Teat Placement   | 0,30  |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,0 | <b>Frame</b>           | <b>-1,19</b> |
| 72,8 | <b>Dairy Strength</b>  | <b>-0,18</b> |
| 74,1 | <b>Feet &amp; Legs</b> | <b>-2,50</b> |
| 77,3 | <b>Udder</b>           | <b>0,98</b>  |
|      | <b>SHI</b>             | <b>-41,2</b> |
|      | rank                   | 487.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>CEDARWAL MILESTONE MERCURY-ET</b> | <b>CA000006128415</b> | <b>17.05.1994</b> | <b>MES-001</b> |
| Country of origin                    | CA                    | <b>Breed</b>      | R100           |
| Distributor                          | INSEMAS s.r.o.        | Herdbook          | HA             |
|                                      |                       | Paternity         | 13.10.1994     |
|                                      |                       | CAN               | 334304         |

### Pedigree

|                            |            |                             |
|----------------------------|------------|-----------------------------|
| <b>Sire</b>                | <b>PGS</b> | GLENAFTON ENHANCER          |
| BROOKNOOK MILESTONE-ET RED |            | CA000000343514              |
| CA000000400985             | <b>PGD</b> | BROOKNOOK MILESTONE DEE     |
|                            |            | CA000003954472              |
| <b>Dam</b>                 | <b>MGS</b> | DESLACS BOY GEORGE RED TWIN |
| CEDARWAL QUEEN GEORGE      |            | CA000000381413              |
| CA000005376032             | <b>MGD</b> | CEDARWAL VALIANT QUEENIE    |
|                            |            | CA000003655445              |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>112</b> | Daug.       | <b>1096</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1560</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 781.         |
| <b>21311</b>                |            |           |            | <b>-394</b> |             | <b>-10</b> | <b>0,08</b> | <b>SCS</b> | <b>3,33</b>  |
|                             |            |           |            |             |             |            |             | rank       | 948.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 6</b> | Daug. | <b>22</b> | 77,2 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-0,69</b> |
|                  |             |       |               |       |           |      |      | rank        | 682.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,12 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | 0,02  |    |    |   |    |    |
| Rear Legs Side View   | -0,25 |    |    |   |    |    |
| Foot Angle            | 0,27  |    |    |   |    |    |
| Fore Udder Attachment | -0,02 |    |    |   |    |    |
| Front Teat Placement  | -1,13 |    |    |   |    |    |
| Teat Length           | 1,45  |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,78  |    |    |   |    |    |
| Udder Depth           | -0,76 |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | 0,31  |    |    |   |    |    |
| Rear Teat Placement   | -0,96 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

79,6 **Frame** **-1,13**

75,4 **Dairy Strength** **0,19**

81,1 **Feet & Legs** **0,19**

75,1 **Udder** **-0,74**

**SHI** **-74,8**

rank 564.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>GEM</b>        | <b>CZ000131706667</b>             | <b>03.09.2002</b> | <b>RCS-001</b>        |
| Country of origin | CZ                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 31.07.2003            |
|                   |                                   | CSK               | 0301119               |

### Pedigree

|                             |            |                           |         |
|-----------------------------|------------|---------------------------|---------|
| <b>Sire</b>                 | <b>PGS</b> | PEN-COL DUSTER-ET         |         |
| RICECREST LABRYINTH-ET      |            | US000002147486            |         |
| US000017273387              | <b>PGD</b> | RICECREST LUKE LAUREN-ET  |         |
|                             |            | US000015626481            |         |
| <b>Dam</b>                  | <b>MGS</b> | GIBBON                    |         |
| GOLDEN OAKS GIBBON LAURA-ET |            | FR002991000305            | BEL-019 |
| US000121120274              | <b>MGD</b> | SOLID GOLD MOUNTAIN LA LA |         |
|                             |            | US000015333725            |         |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 177 | Rel. | 96 % | <b>SPI</b> | -302 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| <b>3896</b>                 |            |           |    | -143  |     | 2    | 0,13 | -2         | 0,04 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,46 |
|                             |            |           |    |       |     |      |      | rank       | 486. |
|                             |            |           |    |       |     |      |      | rank       | 61.  |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 20 / 14 | Daug. | 51 | 77,9 | Rel. | 78 % | <b>TYPE</b> | -0,70 |
|                  |             |       |         |       |    |      |      |      | rank        | 683.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,18 |    |    |   |    |    |
| Angularity            | -0,54 |    |    |   |    |    |
| Chest Width           | 0,57  |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 0,01  |    |    |   |    |    |
| Rear Legs Side View   | -0,31 |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | 0,35  |    |    |   |    |    |
| Front Teat Placement  | 0,88  |    |    |   |    |    |
| Teat Length           | -1,41 |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | -0,75 |    |    |   |    |    |
| Central Ligament      | -0,33 |    |    |   |    |    |
| Udder Depth           | 1,08  |    |    |   |    |    |
| Rump Width            | 0,66  |    |    |   |    |    |
| Rear Legs Rear View   | 0,55  |    |    |   |    |    |
| Rear Teat Placement   | 0,36  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 81,9 | <b>Frame</b>           | -0,06 |
| 77,7 | <b>Dairy Strength</b>  | -1,40 |
| 78,2 | <b>Feet &amp; Legs</b> | 0,31  |
| 75,8 | <b>Udder</b>           | -0,86 |
|      | <b>SHI</b>             | -37,1 |
|      | rank                   | 469.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                                   |                   |                |
|-----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number               | Birth date        | State Register |
| <b>PAULO-BRO CHEVY CAPRICE-ET</b> | <b>US000002120405</b>             | <b>30.08.1989</b> | <b>MEW-005</b> |
| Country of origin                 | US                                | <b>Breed</b>      | H100           |
| Distributor                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                   |                                   | Paternity         | 04.05.1990     |
|                                   |                                   | USA               | IG138277A      |

### Pedigree

|                                |            |                      |
|--------------------------------|------------|----------------------|
| <b>Sire</b>                    | <b>PGS</b> | ARLINDA ROTATE       |
| ARLINDA MELWOOD-ET             |            | US000001697572       |
| US000001879149                 | <b>PGD</b> | ARLINDA COMBI MELODY |
|                                |            | US000009311697       |
| <b>Dam</b>                     | <b>MGS</b> | S-W-D VALIANT        |
| ENCHANTMENT VALIANT CAPRICE-ET |            | US000001650414       |
| US0000012304143                | <b>MGD</b> | ERBACRES BOVA CAMAY  |
|                                |            | US0000011323129      |

|                             |            |           |    |            |     |           |             |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug.      | 504 | Rel.      | 99 %        | <b>SPI</b> | 957          |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %            |
| <b>10177</b>                |            |           |    | <b>359</b> |     | <b>16</b> | <b>0,02</b> | <b>1</b>   | <b>-0,22</b> |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | 2,74         |
|                             |            |           |    |            |     |           |             | rank       | 251.         |
|                             |            |           |    |            |     |           |             | rank       | 224.         |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 45 / 18 | Daug. | 172 | 76,6 | Rel. | 93 % | <b>TYPE</b> | -0,70 |
|                  |             |       |         |       |     |      |      |      | rank        | 684.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,07  |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | -0,20 |    |    |   |    |    |
| Body Depth            | 0,37  |    |    |   |    |    |
| Rump Angle            | -0,84 |    |    |   |    |    |
| Rear Legs Side View   | 0,04  |    |    |   |    |    |
| Foot Angle            | 0,63  |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | -0,99 |    |    |   |    |    |
| Teat Length           | -1,05 |    |    |   |    |    |
| Rear Udder Height     | -1,06 |    |    |   |    |    |
| Rear Udder Width      | -0,79 |    |    |   |    |    |
| Central Ligament      | -0,13 |    |    |   |    |    |
| Udder Depth           | -0,66 |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | -0,87 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,41 |    |    |   |    |    |

daught. average

|      |              |       |
|------|--------------|-------|
| 79,4 | <b>Frame</b> | -0,07 |
|------|--------------|-------|

|      |                       |       |
|------|-----------------------|-------|
| 74,9 | <b>Dairy Strength</b> | -0,12 |
|------|-----------------------|-------|

|      |                        |      |
|------|------------------------|------|
| 77,7 | <b>Feet &amp; Legs</b> | 1,35 |
|------|------------------------|------|

|      |              |       |
|------|--------------|-------|
| 75,5 | <b>Udder</b> | -1,94 |
|------|--------------|-------|

|  |            |     |
|--|------------|-----|
|  | <b>SHI</b> | 0,8 |
|--|------------|-----|

rank 364.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>HIDDEN FUTURE</b> | <b>NL000227347061</b>             | <b>12.10.1998</b> | <b>RLD-001</b> |
| Country of origin    | NL                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 17.02.2003     |
|                      |                                   | NLD               | 42355          |

### Pedigree

|                 |            |                    |
|-----------------|------------|--------------------|
| <b>Sire</b>     | <b>PGS</b> | MADAWASKA AEROSTAR |
| NEWHOUSE RONALD |            | CA000000383622     |
| NL000777430664  | <b>PGD</b> | NEWHOUSE INGRID 66 |
|                 |            | NL000805719521     |
| <b>Dam</b>      | <b>MGS</b> | ETAZON CELSIUS-ET  |
| EVALIEN 182     |            | NL000460508522     |
| NL000189946218  | <b>MGD</b> | EVALIEN 168        |
|                 |            | NL000854676244     |

|                             |            |           |   |            |           |             |           |             |            |
|-----------------------------|------------|-----------|---|------------|-----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 5 | Daug.      | 28        | Rel.        | 83 %      | <b>SPI</b>  | 2067       |
| Number controls             |            | <b>BV</b> |   | Milk       |           | Fat         | %         | Prot.       | %          |
| <b>492</b>                  |            |           |   | <b>245</b> | <b>25</b> | <b>0,26</b> | <b>16</b> | <b>0,18</b> | <b>SCS</b> |
|                             |            |           |   |            |           |             |           |             | rank       |
|                             |            |           |   |            |           |             |           |             | ...        |
|                             |            |           |   |            |           |             |           |             | rank       |
|                             |            |           |   |            |           |             |           |             | ...        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 15 | 78,3 | Rel. | 58 % | <b>TYPE</b> | -0,70 |
|                  |             |       |       |       |    |      |      |      | rank        | 685.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,33 |    |    |   |    |    |
| Body Depth            | -0,58 |    |    |   |    |    |
| Rump Angle            | 0,84  |    |    |   |    |    |
| Rear Legs Side View   | 0,54  |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | -0,21 |    |    |   |    |    |
| Front Teat Placement  | 0,47  |    |    |   |    |    |
| Teat Length           | -0,08 |    |    |   |    |    |
| Rear Udder Height     | -0,46 |    |    |   |    |    |
| Rear Udder Width      | -0,48 |    |    |   |    |    |
| Central Ligament      | 0,46  |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | -0,77 |    |    |   |    |    |
| Rear Legs Rear View   | 0,18  |    |    |   |    |    |
| Rear Teat Placement   | 0,67  |    |    |   |    |    |
| Locomotion            | 0,22  |    |    |   |    |    |
| Body Condition        | 0,12  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,9 | <b>Frame</b>           | <b>-0,79</b> |
| 78,8 | <b>Dairy Strength</b>  | <b>-0,80</b> |
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,08</b>  |
| 77,5 | <b>Udder</b>           | <b>-0,44</b> |
|      | <b>SHI</b>             | <b>34,2</b>  |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>PEARTOME HAGERSVILLE</b> | <b>CA000005287588</b> | <b>25.11.1990</b> | <b>BS-028</b>  |
| Country of origin           | CA                    | <b>Breed</b>      | H100           |
| Distributor                 | INSEMAS s.r.o.        | Herdbook          | HA             |
|                             |                       | Paternity         | 16.07.1991     |
|                             |                       | CAN               | 251857         |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN  |
| TO-MAR BLACKSTAR-ET     |            | US000001723741            |
| US000001929410          | <b>PGD</b> | TO-MAR WAYNE HAY          |
| CHR-002                 |            | US000009804790            |
|                         |            | ADM-008                   |
| <b>Dam</b>              | <b>MGS</b> | MARSHFIELD ELEVATION TONY |
| PEARTOME TONY JOANIE-ET |            | US000001626813            |
| CA000004177424          | <b>MGD</b> | PEARTOME THUNDER JOY      |
|                         |            | CA000003335869            |

|                             |            |           |    |             |     |           |             |            |              |
|-----------------------------|------------|-----------|----|-------------|-----|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 24 | Daug.       | 192 | Rel.      | 96 %        | <b>SPI</b> | -1469        |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat       | %           | Prot.      | %            |
| <b>4066</b>                 |            |           |    | <b>-369</b> |     | <b>-2</b> | <b>0,23</b> | <b>-14</b> | <b>-0,06</b> |
|                             |            |           |    |             |     |           |             | <b>SCS</b> | <b>3,07</b>  |
|                             |            |           |    |             |     |           |             | rank       | 754.         |
|                             |            |           |    |             |     |           |             | rank       | 617.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 6 | Daug. | 38 | 76,2 | Rel. | 74 % | <b>TYPE</b> | -0,71 |
|                  |             |       |        |       |    |      |      |      | rank        | 686.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,61  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,27 |    |    |   |    |    |
| Front Teat Placement  | -0,49 |    |    |   |    |    |
| Teat Length           | -0,65 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | -0,41 |    |    |   |    |    |
| Central Ligament      | 0,39  |    |    |   |    |    |
| Udder Depth           | 0,06  |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,12  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,5 | <b>Frame</b>           | <b>-0,66</b> |
| 74,2 | <b>Dairy Strength</b>  | <b>-0,10</b> |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-0,63</b> |
| 76,2 | <b>Udder</b>           | <b>-0,35</b> |
|      | <b>SHI</b>             | <b>-72,8</b> |
|      | rank                   | 559.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>VETTER</b>     | <b>DE001008226820</b> | <b>11.01.1981</b> | <b>VLE-002</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                |            |                            |
|----------------|------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF  |
| S-W-D VALIANT  |            | US000001427381             |
| US000001650414 | <b>PGD</b> | ALLIED ADMIRAL ROSE VIVIAN |
|                |            | US000006781299             |
| <b>Dam</b>     | <b>MGS</b> | SIMPSONS APOSTLE           |
| BASE           |            | US000001537060             |
| DE001006286600 | <b>MGD</b> | BLESKE                     |
|                |            | DE001005209814             |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>306</b> | Daug.       | <b>3457</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3334</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %            | rank       | 1141.        |
| <b>63745</b>                |            |           |            | <b>-701</b> |             | <b>-30</b> | <b>-0,09</b> | <b>SCS</b> | <b>2,98</b>  |
|                             |            |           |            |             |             | <b>-24</b> | <b>-0,06</b> | rank       | 502.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>26 / 19</b> | Daug. | <b>315</b> | 75,6 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,72</b> |
|                  |             |       |                |       |            |      |      | rank        | 687.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,05  |    |    |   |    |    |
| Angularity            | -0,51 |    |    |   |    |    |
| Chest Width           | 0,57  |    |    |   |    |    |
| Body Depth            | 0,57  |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | -0,61 |    |    |   |    |    |
| Rear Udder Width      | -0,59 |    |    |   |    |    |
| Central Ligament      | -0,60 |    |    |   |    |    |
| Udder Depth           | -0,12 |    |    |   |    |    |
| Rump Width            | 0,21  |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | -0,63 |    |    |   |    |    |
| Locomotion            | -0,47 |    |    |   |    |    |
| Body Condition        | 0,10  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,5 | <b>Frame</b>           | <b>0,43</b>   |
| 73,9 | <b>Dairy Strength</b>  | <b>-0,17</b>  |
| 76,2 | <b>Feet &amp; Legs</b> | <b>-0,49</b>  |
| 76,1 | <b>Udder</b>           | <b>-1,46</b>  |
|      | <b>SHI</b>             | <b>-129,2</b> |
|      | rank                   | 629.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>BEAUTIFUL</b> | <b>NL000189887001</b> | <b>14.01.1997</b> | <b>JUL-003</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 24.06.1997 |
|                   |                                   | NLD          | 26343      |

### Pedigree

|                |            |                        |
|----------------|------------|------------------------|
| <b>Sire</b>    | <b>PGS</b> | MEADOLAKE JUBILANT-ET  |
| JUBEL          |            | CA000000376455         |
| DE000505893133 | <b>PGD</b> | ELITE                  |
| JUB-016        |            | DE000503837619         |
| <b>Dam</b>     | <b>MGS</b> | SKALSUMER SUNNY BOY-ET |
| TARMA 4355     |            | NL000311651443         |
| NL000784643558 | <b>MGD</b> | TARMA 1                |
|                |            | NL000955655546         |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>130</b> | Daug.       | <b>2512</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-615</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       | %           | rank       | 559.        |
| <b>44984</b>                |            |           |            | <b>-230</b> |             | <b>-7</b> | <b>0,02</b> | <b>SCS</b> | <b>3,65</b> |
|                             |            |           |            |             |             | <b>-2</b> | <b>0,12</b> | rank       | 1180.       |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>46 / 15</b> | Daug. | <b>235</b> | 77,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-0,72</b> |
|                  |             |       |                |       |            |      |      | rank        | 688.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,63  |    |    |   |    |    |
| Angularity            | -0,41 |    |    |   |    |    |
| Chest Width           | 0,26  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | -0,90 |    |    |   |    |    |
| Rear Legs Side View   | 0,37  |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | -0,52 |    |    |   |    |    |
| Teat Length           | 0,55  |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | 0,48  |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,76 |    |    |   |    |    |
| Rear Teat Placement   | -0,69 |    |    |   |    |    |
| Locomotion            | -0,76 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 82,0 | <b>Frame</b> | <b>0,86</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,3 | <b>Dairy Strength</b> | <b>-0,24</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Feet &amp; Legs</b> | <b>-2,70</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,5 | <b>Udder</b> | <b>-0,95</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-47,3</b> |
|--|------------|--------------|

rank 500.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>HRABOVSKY BELLWOOD KUPID</b> | <b>SK000012422053</b>             | <b>25.09.1998</b> | <b>BW-010</b>  |
| Country of origin               | SK                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 23.09.1999     |
|                                 |                                   | SVK               | 0251/10        |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | ARLINDA MELWOOD-ET        |
| MAIZEFIELD BELLWOOD-ET |            | US000001879149            |
| US000002103297         | <b>PGD</b> | BREN-WAY BELL BETSY       |
| MEW-004                |            | US000012052401            |
| <b>Dam</b>             | <b>MGS</b> | OSDEL-ENDEAVOR BOVA CUBBY |
| KUBA                   |            | US000001986164            |
| SK000018392003         | <b>MGD</b> | SK000018380003            |
|                        |            | BA-002                    |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>80</b> | Daug.       | <b>458</b> | Rel.      | <b>98 %</b>  | <b>SPI</b> | <b>-848</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 613.        |
| <b>8679</b>                 |            |           |           | <b>-166</b> |            | <b>-1</b> | <b>-0,07</b> | <b>SCS</b> | <b>3,13</b> |
|                             |            |           |           |             |            | <b>-6</b> | <b>-0,02</b> | rank       | 704.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 9</b> | Daug. | <b>40</b> | 76,4 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,72</b> |
|                  |             |       |              |       |           |      |      | rank        | 689.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,01  |    |    |   |    |    |
| Angularity            | -0,29 |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | 0,68  |    |    |   |    |    |
| Rear Legs Side View   | -0,08 |    |    |   |    |    |
| Foot Angle            | -0,39 |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | 1,36  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,34 |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | -0,92 |    |    |   |    |    |
| Rump Width            | -0,07 |    |    |   |    |    |
| Rear Legs Rear View   | -0,73 |    |    |   |    |    |
| Rear Teat Placement   | -0,96 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>0,33</b>  |
| 77,9 | <b>Dairy Strength</b>  | <b>-0,23</b> |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,30</b> |
| 73,7 | <b>Udder</b>           | <b>-1,29</b> |
|      | <b>SHI</b>             | <b>-54,5</b> |
|      | rank                   | 518.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>RENOWN TINSELTOWN RED-ET</b> | <b>US000002136013</b>             | <b>12.04.1990</b> | <b>PVR-001</b> |
| Country of origin               | US                                | <b>Breed</b>      | R100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | ..             |

### Pedigree

|                               |            |                          |
|-------------------------------|------------|--------------------------|
| <b>Sire</b>                   | <b>PGS</b> | S-W-D VALIANT            |
| POVERTY-HOLLOW VALIANT STAR   |            | US000001650414           |
| US000001857259                | <b>PGD</b> | POVERTY HOLLOW,GINGER-ET |
|                               |            | XX000009765079           |
| <b>Dam</b>                    | <b>MGS</b> | GLENAFTON ENHANCER       |
| RENOWN ENHANCER TINSEL RED-ET |            | CA000000343514           |
| US000013281785                | <b>MGD</b> | PARKER S-W-D JOYCE       |
|                               |            | US000010771099           |

|                             |            |           |    |             |     |            |             |            |             |
|-----------------------------|------------|-----------|----|-------------|-----|------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug.       | 402 | Rel.       | 98 %        | <b>SPI</b> | -3819       |
| Number controls             |            | <b>BV</b> |    | Milk        |     | Fat        | %           | Prot.      | %           |
| <b>7682</b>                 |            |           |    | <b>-900</b> |     | <b>-30</b> | <b>0,09</b> | <b>-27</b> | <b>0,01</b> |
|                             |            |           |    |             |     |            |             | <b>SCS</b> | 2,77        |
|                             |            |           |    |             |     |            |             | rank       | 1239.       |
|                             |            |           |    |             |     |            |             | rank       | 260.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 14 | 76,4 | Rel. | 59 % | <b>TYPE</b> | -0,73 |
|                  |             |       |       |       |    |      |      |      | rank        | 690.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,62 |    |    |   |    |    |
| Angularity            | 0,22  |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -1,07 |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | -0,60 |    |    |   |    |    |
| Front Teat Placement  | -0,05 |    |    |   |    |    |
| Teat Length           | -0,92 |    |    |   |    |    |
| Rear Udder Height     | -1,04 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | -0,91 |    |    |   |    |    |
| Rump Width            | 0,66  |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | -0,65 |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 80,5 | <b>Frame</b>           | -0,49  |
| 75,3 | <b>Dairy Strength</b>  | 0,64   |
| 77,6 | <b>Feet &amp; Legs</b> | -0,37  |
| 74,5 | <b>Udder</b>           | -0,96  |
|      | <b>SHI</b>             | -144,4 |
|      | rank                   | ...    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                         |                            |                   |                       |
|-------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>        | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>E-LONGVIEW CM-ET</b> | <b>US000062190170</b>      | <b>14.09.2006</b> | <b>BRE-003</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | US                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 02.05.2007 |
|                          |                                   | <b>US</b>        | M07026492  |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | RICECREST BRETT-ET        |
| JEWEL-ACRES SHARKY-ET       |            | US000002289548            |
| US000131184495              | <b>PGD</b> | JEWEL-ACRES PCE PATTI-ET  |
|                             |            | US000120230464            |
| <b>Dam</b>                  | <b>MGS</b> | COMESTAR OUTSIDE-ET       |
| AUTUMN-RIDGE OTSD BAMBOO-ET |            | CA000006026421            |
| US000134357010              | <b>MGD</b> | MISS AUTUMN RUD BOOMER-ET |
|                             |            | US000124027262            |

|                             |            |              |           |              |            |             |             |              |              |
|-----------------------------|------------|--------------|-----------|--------------|------------|-------------|-------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>18</b> | <b>Daug.</b> | <b>241</b> | <b>Rel.</b> | <b>94 %</b> | <b>SPI</b>   | <b>2909</b>  |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |            | <b>Fat</b>  | <b>%</b>    | <b>Prot.</b> | <b>%</b>     |
| <b>1382</b>                 |            |              |           | <b>662</b>   |            | <b>34</b>   | <b>0,13</b> | <b>17</b>    | <b>-0,08</b> |
|                             |            |              |           |              |            |             |             | <b>rank</b>  | 39.          |
|                             |            |              |           |              |            |             |             | <b>SCS</b>   | <b>2,66</b>  |
|                             |            |              |           |              |            |             |             | <b>rank</b>  | 157.         |

|                  |             |              |               |              |           |             |             |             |             |              |
|------------------|-------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>13 / 8</b> | <b>Daug.</b> | <b>98</b> | <b>80,2</b> | <b>Rel.</b> | <b>86 %</b> | <b>TYPE</b> | <b>-0,75</b> |
|                  |             |              |               |              |           |             |             |             | <b>rank</b> | 691.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,21  |    |    |   |    |    |
| Angularity            | -0,16 |    |    |   |    |    |
| Chest Width           | -0,27 |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,72  |    |    |   |    |    |
| Rear Legs Side View   | 0,67  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | 0,59  |    |    |   |    |    |
| Front Teat Placement  | 0,85  |    |    |   |    |    |
| Teat Length           | -0,83 |    |    |   |    |    |
| Rear Udder Height     | -0,45 |    |    |   |    |    |
| Rear Udder Width      | -0,78 |    |    |   |    |    |
| Central Ligament      | 0,14  |    |    |   |    |    |
| Udder Depth           | 0,94  |    |    |   |    |    |
| Rump Width            | -0,29 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,42 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 83,9 | <b>Frame</b> | <b>-0,05</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,6 | <b>Dairy Strength</b> | <b>-0,92</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 80,6 | <b>Feet &amp; Legs</b> | <b>-1,74</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 78,4 | <b>Udder</b> | <b>-0,39</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>57,9</b> |
|--|------------|-------------|

**rank** 183.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>JIMTOWN NITA NILES-ET</b> | <b>US000129225544</b> | <b>16.02.2000</b> | <b>ELN-004</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 17.05.2000 |
|                   |                                   | USA          | IG261405A  |

### Pedigree

|                          |            |                             |
|--------------------------|------------|-----------------------------|
| <b>Sire</b>              | <b>PGS</b> | EMPRISE BELL ELTON          |
| RICECREST EMERSON-ET     |            | US000001912270              |
| US000002271271           | <b>PGD</b> | WA-DEL RC BLCKSTR MARTHA-ET |
|                          |            | US000013907649              |
| <b>Dam</b>               | <b>MGS</b> | ZEE-CAL COMMOTION-ET        |
| CLAY-BERN COMMOTION NITA |            | US000002038151              |
| US000015437182           | <b>MGD</b> | CLAY-BERN BLACK STAR PET-ET |
|                          |            | US000014709249              |

|                             |            |           |           |            |            |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>50</b> | Daug.      | <b>124</b> | Rel.     | <b>94 %</b>  | <b>SPI</b> | <b>730</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 294.         |
| <b>2544</b>                 |            |           |           | <b>280</b> |            | <b>3</b> | <b>-0,15</b> | <b>4</b>   | <b>-0,10</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,64</b>  |
|                             |            |           |           |            |            |          |              | rank       | 1177.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 16</b> | Daug. | <b>36</b> | 76,9 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>-0,75</b> |
|                  |             |       |                |       |           |      |      | rank        | 692.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,73 |    |    |   |    |    |
| Angularity            | 0,16  |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,42 |    |    |   |    |    |
| Rump Angle            | 0,64  |    |    |   |    |    |
| Rear Legs Side View   | 0,20  |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | 0,08  |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | -0,60 |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | -0,09 |    |    |   |    |    |
| Udder Depth           | -0,35 |    |    |   |    |    |
| Rump Width            | 0,96  |    |    |   |    |    |
| Rear Legs Rear View   | -0,60 |    |    |   |    |    |
| Rear Teat Placement   | -0,58 |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-0,91</b> |
| 77,9 | <b>Dairy Strength</b>  | <b>-0,14</b> |
| 76,2 | <b>Feet &amp; Legs</b> | <b>-0,72</b> |
| 75,8 | <b>Udder</b>           | <b>-0,48</b> |
|      | <b>SHI</b>             | <b>-7,8</b>  |
|      | rank                   | 385.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LEONARDO 1</b> | <b>NL000192143505</b>             | <b>29.04.1996</b> | <b>DOB-002</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.07.1996     |
|                   |                                   | NLD               | 192143505      |

### Pedigree

|                       |            |                           |
|-----------------------|------------|---------------------------|
| <b>Sire</b>           | <b>PGS</b> | BIS-MAY TRADITION CLEITUS |
| DOMBINATOR-ET         |            | US000001879085            |
| NL000316418898        | <b>PGD</b> | LONG-HAVEN BOVA SAMARA-ET |
| CLE-023               |            | US000012040197            |
| <b>Dam</b>            | <b>MGS</b> | UNITED NICK-ET            |
| GREEN-VALE LEONARA-ET |            | US000001989083            |
| US000014624392        | <b>MGD</b> | YUCCA ROTATE LORI-ET      |
|                       |            | US000013119192            |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>60</b> | Daug.       | <b>246</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-1453</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 748.         |
| <b>5106</b>                 |            |           |           | <b>-299</b> |            | <b>-1</b>  | <b>0,02</b>  | <b>SCS</b> | <b>2,56</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>-0,07</b> | rank       | 101.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 7</b> | Daug. | <b>13</b> | 76,0 | Rel. | <b>62 %</b> | <b>TYPE</b> | <b>-0,75</b> |
|                  |             |       |              |       |           |      |      | rank        | 693.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,33  |    |    |   |    |    |
| Angularity            | -0,87 |    |    |   |    |    |
| Chest Width           | 1,29  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,78  |    |    |   |    |    |
| Rear Legs Side View   | -0,05 |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | -0,30 |    |    |   |    |    |
| Front Teat Placement  | -0,60 |    |    |   |    |    |
| Teat Length           | 0,95  |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | -0,33 |    |    |   |    |    |
| Central Ligament      | -1,04 |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | 0,74  |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | -0,41 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,2 | <b>Frame</b>           | <b>1,31</b>  |
| 73,3 | <b>Dairy Strength</b>  | <b>-1,16</b> |
| 73,9 | <b>Feet &amp; Legs</b> | <b>-0,20</b> |
| 75,3 | <b>Udder</b>           | <b>-1,14</b> |
|      | <b>SHI</b>             | <b>-74,0</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>JIVE-ET</b>    | <b>DE000346074600</b> | <b>11.02.2001</b> | <b>BES-008</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 07.03.2001     |
|                   |                       | DE                | 01/3906        |

### Pedigree

|                |            |                    |
|----------------|------------|--------------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK         |
| JOCKO BESN     |            | FR004486041658     |
| FR005694028588 | <b>PGD</b> | GAIA               |
|                |            | FR005691017484     |
| <b>Dam</b>     | <b>MGS</b> | MADAWASKA AEROSTAR |
| BALDE 13       |            | CA000000383622     |
| DE001021168785 | <b>MGD</b> | BEATE              |
|                |            | DE001020928693     |

STB-011

|                             |            |           |           |            |            |              |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>70</b> | Daug.      | <b>758</b> | Rel.         | <b>99 %</b> | <b>SPI</b> | <b>-443</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Prot.        |             | rank       | 520.        |
| <b>13789</b>                |            |           |           | <b>-21</b> | <b>-15</b> | <b>-0,27</b> | <b>-0</b>   | <b>SCS</b> | <b>3,03</b> |
|                             |            |           |           |            |            |              |             | rank       | 575.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>21 / 8</b> | Daug. | <b>91</b> | 78,4 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>-0,76</b> |
|                  |             |       |               |       |           |      |      | rank        | 694.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,71  |    |    |   |    |    |
| Angularity            | 0,44  |    |    |   |    |    |
| Chest Width           | -0,85 |    |    |   |    |    |
| Body Depth            | -1,12 |    |    |   |    |    |
| Rump Angle            | 0,39  |    |    |   |    |    |
| Rear Legs Side View   | -0,83 |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | 0,49  |    |    |   |    |    |
| Rear Udder Height     | -0,01 |    |    |   |    |    |
| Rear Udder Width      | -0,82 |    |    |   |    |    |
| Central Ligament      | 0,90  |    |    |   |    |    |
| Udder Depth           | 0,51  |    |    |   |    |    |
| Rump Width            | -1,33 |    |    |   |    |    |
| Rear Legs Rear View   | 0,30  |    |    |   |    |    |
| Rear Teat Placement   | 0,52  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,73 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 83,1 | <b>Frame</b>           | <b>-0,09</b> |
| 79,0 | <b>Dairy Strength</b>  | <b>-0,85</b> |
| 78,8 | <b>Feet &amp; Legs</b> | <b>-1,03</b> |
| 75,7 | <b>Udder</b>           | <b>-0,37</b> |
|      | <b>SHI</b>             | <b>-43,7</b> |
|      | rank                   | 495.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>STAVELOT</b>   | <b>FR008536945633</b>             | <b>15.11.2001</b> | <b>MNA-009</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 10.01.2003     |
|                   |                                   | FRA               | 108600         |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |
| JANZE MOUN     |            | US000002070579            |
| FR003594000491 | <b>PGD</b> | HULOTTE 35                |
|                |            | FR003592049484            |
| <b>Dam</b>     | <b>MGS</b> | IT000908008098            |
| PANEIKA        |            |                           |
| FR006204205913 | <b>MGD</b> | ANASTASIA                 |
|                |            | DE001015286645            |

|                             |            |           |           |            |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.      | <b>90</b> | Rel.      | <b>92 %</b> | <b>SPI</b> | <b>1214</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |             | rank       | 205.        |
| <b>1728</b>                 |            |           |           | <b>122</b> |           | <b>24</b> | <b>0,35</b> | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |           |            |           | <b>6</b>  | <b>0,04</b> | rank       | 265.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 7</b> | Daug. | <b>16</b> | 77,4 | Rel. | <b>57 %</b> | <b>TYPE</b> | <b>-0,76</b> |
|                  |             |       |              |       |           |      |      | rank        | 695.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,82 |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | -0,70 |    |    |   |    |    |
| Body Depth            | -0,51 |    |    |   |    |    |
| Rump Angle            | 0,41  |    |    |   |    |    |
| Rear Legs Side View   | 0,75  |    |    |   |    |    |
| Foot Angle            | 0,02  |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | 0,27  |    |    |   |    |    |
| Teat Length           | -1,13 |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | 0,29  |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | -1,08 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | 0,16  |    |    |   |    |    |
| Locomotion            | -0,35 |    |    |   |    |    |
| Body Condition        | -0,61 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-1,61</b> |
| 79,4 | <b>Dairy Strength</b>  | <b>0,15</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-0,72</b> |
| 76,4 | <b>Udder</b>           | <b>0,01</b>  |
|      | <b>SHI</b>             | <b>6,3</b>   |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>AMERAN</b>    | <b>NL000259740812</b> | <b>08.09.1999</b> | <b>AML-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.11.1999 |
|                   |                                   | NLD          | 259740812  |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | THE CHOICE OF MARK ADAM-ET |
| OUT-JOCK CHOICE AMEL-ET |            | US000002027062             |
| US000002231596          | <b>PGD</b> | MISS TA RO LEE NICK ANN-ET |
|                         |            | US000014493791             |
| <b>Dam</b>              | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET     |
| LANE S SUMMER           |            | US000002103297             |
| US000015833513          | <b>MGD</b> | SUREFINE                   |
|                         |            | US000014265489             |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>101</b> | Rel.      | <b>93 %</b>  | <b>SPI</b> | <b>-695</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 576.        |
| <b>2156</b>                 |            |           |           | <b>-103</b> |            | <b>-5</b> | <b>-0,02</b> | <b>SCS</b> | <b>3,17</b> |
|                             |            |           |           |             |            | <b>-7</b> | <b>-0,08</b> | rank       | 760.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 7</b> | Daug. | <b>17</b> | 76,7 | Rel. | <b>58 %</b> | <b>TYPE</b> | <b>-0,78</b> |
|                  |             |       |               |       |           |      |      | rank        | 696.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    |   |    |    |
| Angularity            | -0,27 |    |    |   |    |    |
| Chest Width           | 0,03  |    |    |   |    |    |
| Body Depth            | 0,40  |    |    |   |    |    |
| Rump Angle            | 0,39  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -0,67 |    |    |   |    |    |
| Teat Length           | -0,75 |    |    |   |    |    |
| Rear Udder Height     | -0,00 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -0,32 |    |    |   |    |    |
| Rump Width            | -0,67 |    |    |   |    |    |
| Rear Legs Rear View   | 0,14  |    |    |   |    |    |
| Rear Teat Placement   | -0,03 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,65 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 78,8 | <b>Frame</b> | <b>-0,32</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 76,4 | <b>Dairy Strength</b> | <b>-0,44</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,1 | <b>Feet &amp; Legs</b> | <b>-0,10</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,2 | <b>Udder</b> | <b>-1,05</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-52,1</b> |
|--|------------|--------------|

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>EVERNOOK TARGET TANDY-ET</b> | <b>US000002200744</b>             | <b>20.08.1992</b> | <b>TAG-002</b> |
| Country of origin               | US                                | <b>Breed</b>      | H100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 27.04.1993     |
|                                 |                                   | USA               | IG183109B      |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | ARLINDA CARL-TWIN          |
| CURTMAID EMERALD TARGET |            | US000001799693             |
| US000002030882          | <b>PGD</b> | RIPVALLEY NA BELL TAMMY-ET |
|                         |            | US000011039415             |
| <b>Dam</b>              | <b>MGS</b> | EXRANCO THOR               |
| EVERNOOK THOR THRESA    |            | US000001883228             |
| US000013618116          | <b>MGD</b> | EVERNOOK ANDY TABHAS,TOKEN |
|                         |            | US000011922859             |

|                             |            |           |            |            |             |          |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>107</b> | Daug.      | <b>1417</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>879</b>   |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat      |              | rank       | 268.         |
| <b>29699</b>                |            |           |            | <b>375</b> |             | <b>5</b> | <b>-0,18</b> | <b>4</b>   | <b>-0,17</b> |
|                             |            |           |            |            |             |          |              | <b>SCS</b> | <b>2,84</b>  |
|                             |            |           |            |            |             |          |              | rank       | 338.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>83 / 32</b> | Daug. | <b>538</b> | 76,8 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>-0,78</b> |
|                  |             |       |                |       |            |      |      | rank        | 697.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | -0,52 |    |    |   |    |    |
| Chest Width           | -0,00 |    |    |   |    |    |
| Body Depth            | -0,46 |    |    |   |    |    |
| Rump Angle            | -0,18 |    |    |   |    |    |
| Rear Legs Side View   | -0,67 |    |    |   |    |    |
| Foot Angle            | 0,30  |    |    |   |    |    |
| Fore Udder Attachment | -0,81 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | 1,16  |    |    |   |    |    |
| Rear Udder Height     | -0,83 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | -1,01 |    |    |   |    |    |
| Rump Width            | 1,20  |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | -0,13 |    |    |   |    |    |
| Locomotion            | -0,37 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>0,64</b>  |
| 74,7 | <b>Dairy Strength</b>  | <b>-1,57</b> |
| 77,9 | <b>Feet &amp; Legs</b> | <b>0,33</b>  |
| 75,6 | <b>Udder</b>           | <b>-1,48</b> |
|      | <b>SHI</b>             | <b>-4,8</b>  |
|      | rank                   | 379.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PADDISON</b>   | <b>NL000255281470</b>             | <b>03.11.1999</b> | <b>MNA-003</b> |
| Country of origin | NL                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 14.03.2000     |
|                   |                                   | NLD               | 255281470      |

### Pedigree

|                   |            |                           |         |
|-------------------|------------|---------------------------|---------|
| <b>Sire</b>       | <b>PGS</b> | BIS-MAY S-E-L MOUNTAIN-ET |         |
| ETAZON ADDISON-ET |            | US000002070579            | RAY-002 |
| NL000839380546    | <b>PGD</b> | TIDY-BROOK ELTON STEPH-ET |         |
|                   |            | US000014080279            |         |
| <b>Dam</b>        | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET    |         |
| LEONA 1           |            | US000002103297            | MEW-004 |
| NL000176878852    | <b>MGD</b> | MAS LEONA                 |         |
|                   |            | US000014845280            |         |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.      | <b>178</b> | Rel.     | <b>96 %</b>  | <b>SPI</b> | <b>980</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      |              | rank       | 245.        |
| <b>3218</b>                 |            |           |           | <b>222</b> |            | <b>5</b> | <b>-0,07</b> | <b>8</b>   | <b>0,02</b> |
|                             |            |           |           |            |            |          |              | <b>SCS</b> | <b>3,32</b> |
|                             |            |           |           |            |            |          |              | rank       | 942.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 12</b> | Daug. | <b>33</b> | 77,1 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>-0,79</b> |
|                  |             |       |                |       |           |      |      | rank        | 698.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,24 |    |    |   |    |    |
| Angularity            | -0,70 |    |    |   |    |    |
| Chest Width           | 0,90  |    |    |   |    |    |
| Body Depth            | 0,69  |    |    |   |    |    |
| Rump Angle            | 0,82  |    |    |   |    |    |
| Rear Legs Side View   | 0,90  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | -0,96 |    |    |   |    |    |
| Front Teat Placement  | 0,28  |    |    |   |    |    |
| Teat Length           | 0,49  |    |    |   |    |    |
| Rear Udder Height     | -0,12 |    |    |   |    |    |
| Rear Udder Width      | 0,73  |    |    |   |    |    |
| Central Ligament      | 0,10  |    |    |   |    |    |
| Udder Depth           | -2,05 |    |    |   |    |    |
| Rump Width            | 0,68  |    |    |   |    |    |
| Rear Legs Rear View   | -1,09 |    |    |   |    |    |
| Rear Teat Placement   | 0,76  |    |    |   |    |    |
| Locomotion            | 0,46  |    |    |   |    |    |
| Body Condition        | 0,24  |    |    |   |    |    |

daught. average

79,2 **Frame** **-0,85**

77,8 **Dairy Strength** **-0,73**

77,5 **Feet & Legs** **0,59**

75,4 **Udder** **-0,78**

**SHI** **-1,9**

rank 372.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>ALTAGEN ADRENALINE-ET</b> | <b>CA000007125433</b> | <b>31.07.1998</b> | <b>WIT-001</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 18.12.1998 |
|                   |                | CAN          | CD429732   |

### Pedigree

|                           |            |                               |         |
|---------------------------|------------|-------------------------------|---------|
| <b>Sire</b>               | <b>PGS</b> | MADAWASKA AEROSTAR            |         |
| LADYS-MANOR WINCHESTER-ET |            | CA000000383622                | STB-011 |
| US000002205082            | <b>PGD</b> | LADYS-MANOR TOP GUN JEMINI-ET |         |
|                           |            | US000013586096                |         |
| <b>Dam</b>                | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET        |         |
| DIXIE-LEE ALICIA-ET       |            | US000002103297                | MEW-004 |
| US000017122532            | <b>MGD</b> | DIXIE-LEE ASPEN-ET            |         |
|                           |            | US000014889171                |         |

|                             |            |           |           |            |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.      | <b>129</b> | Rel.      | <b>94 %</b>  | <b>SPI</b> | <b>-199</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 466.        |
| <b>2351</b>                 |            |           |           | <b>-47</b> |            | <b>5</b>  | <b>0,12</b>  | <b>SCS</b> | <b>3,10</b> |
|                             |            |           |           |            |            | <b>-4</b> | <b>-0,07</b> | rank       | 664.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 12</b> | Daug. | <b>34</b> | 76,4 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>-0,79</b> |
|                  |             |       |                |       |           |      |      | rank        | 699.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,57  |    |    |   |    |    |
| Angularity            | -0,15 |    |    |   |    |    |
| Chest Width           | -1,14 |    |    |   |    |    |
| Body Depth            | -0,75 |    |    |   |    |    |
| Rump Angle            | 1,84  |    |    |   |    |    |
| Rear Legs Side View   | 0,64  |    |    |   |    |    |
| Foot Angle            | -0,15 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,69 |    |    |   |    |    |
| Teat Length           | 0,08  |    |    |   |    |    |
| Rear Udder Height     | 0,18  |    |    |   |    |    |
| Rear Udder Width      | 0,09  |    |    |   |    |    |
| Central Ligament      | -0,48 |    |    |   |    |    |
| Udder Depth           | 0,06  |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 79,6 | <b>Frame</b>           | <b>-0,17</b> |
|                 | 74,5 | <b>Dairy Strength</b>  | <b>-1,41</b> |
|                 | 77,9 | <b>Feet &amp; Legs</b> | <b>-0,34</b> |
|                 | 74,8 | <b>Udder</b>           | <b>-0,47</b> |
|                 |      | <b>SHI</b>             | <b>-37,8</b> |
|                 |      | rank                   | 471.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PSEUDOLO</b>   | <b>DE000112776792</b>             | <b>07.02.2001</b> | <b>PEL-021</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.05.2001     |
|                   |                                   | DEU               | 01/6654        |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | RONNYBROOK PRELUDE-ET |
| PEDANT-ET      |            | CA000000392457        |
| DE001021497684 | <b>PGD</b> | EDELROSE              |
|                |            | DE001020888555        |
| <b>Dam</b>     | <b>MGS</b> | LUX S                 |
| UASE           |            | DE000107468205        |
| DE000108688289 | <b>MGD</b> | OASE                  |
|                |            | DE000107789241        |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 47 | Daug. | 94  | Rel. | 91 %  | <b>SPI</b> | -674       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1610</b>                 |            |           |    | -276  | 11  | 0,41 | -9    | -0,01      | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 569.       |
|                             |            |           |    |       |     |      |       |            | 1191.      |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 11 | Daug. | 25 | 77,5 | Rel. | 63 % | <b>TYPE</b> | -0,80 |
|                  |             |       |         |       |    |      |      |      | rank        | 700.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,31 |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | -0,61 |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | -0,59 |    |    |   |    |    |
| Rear Legs Side View   | -0,65 |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | -1,49 |    |    |   |    |    |
| Rear Udder Height     | -0,02 |    |    |   |    |    |
| Rear Udder Width      | 0,38  |    |    |   |    |    |
| Central Ligament      | -0,28 |    |    |   |    |    |
| Udder Depth           | -0,32 |    |    |   |    |    |
| Rump Width            | -0,76 |    |    |   |    |    |
| Rear Legs Rear View   | -0,83 |    |    |   |    |    |
| Rear Teat Placement   | 0,18  |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | -0,05 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,3 | <b>Frame</b>           | -0,96 |
| 78,6 | <b>Dairy Strength</b>  | -0,05 |
| 77,9 | <b>Feet &amp; Legs</b> | -0,20 |
| 75,2 | <b>Udder</b>           | -0,62 |
|      | <b>SHI</b>             | -52,2 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>RANSOM</b>     | <b>DE000113064850</b>             | <b>02.03.2001</b> | <b>MOR-011</b>        |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 28.01.2002            |
|                   |                                   | DEU               | 02/1611               |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | MR HURL-THREE MOMENTUM RED-ET |
| RAINBOW-ET     |            | US000002041332                |
| US000002260994 | <b>PGD</b> | MISS RAINBOW LMAN 616-ET      |
|                |            | US000014373103                |
| <b>Dam</b>     | <b>MGS</b> | BROOKNOOK MILESTONE-ET RED    |
| VANELLE 172    |            | CA000000400985                |
| DE000110022365 | <b>MGD</b> | RIBIS                         |
|                |            | DE000109920119                |

|                             |            |           |    |             |           |             |            |             |            |
|-----------------------------|------------|-----------|----|-------------|-----------|-------------|------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.       | 75        | Rel.        | 91 %       | <b>SPI</b>  | -1124      |
| Number controls             |            | <b>BV</b> |    | Milk        | Fat       | %           | Prot.      | %           | rank       |
| <b>1637</b>                 |            |           |    | <b>-511</b> | <b>10</b> | <b>0,59</b> | <b>-11</b> | <b>0,12</b> | <b>SCS</b> |
|                             |            |           |    |             |           |             |            |             | rank       |
|                             |            |           |    |             |           |             |            |             | 681.       |
|                             |            |           |    |             |           |             |            |             | 40.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 22 | 76,8 | Rel. | 64 % | <b>TYPE</b> | -0,80 |
|                  |             |       |       |       |    |      |      |      | rank        | 701.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,98 |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,13 |    |    |   |    |    |
| Rump Angle            | -0,49 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | 0,26  |    |    |   |    |    |
| Front Teat Placement  | -0,52 |    |    |   |    |    |
| Teat Length           | -1,00 |    |    |   |    |    |
| Rear Udder Height     | 0,01  |    |    |   |    |    |
| Rear Udder Width      | 0,06  |    |    |   |    |    |
| Central Ligament      | -1,10 |    |    |   |    |    |
| Udder Depth           | -0,43 |    |    |   |    |    |
| Rump Width            | 0,14  |    |    |   |    |    |
| Rear Legs Rear View   | 0,21  |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | 0,11  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,7 | <b>Frame</b>           | -1,26 |
| 77,1 | <b>Dairy Strength</b>  | -0,44 |
| 79,0 | <b>Feet &amp; Legs</b> | -0,32 |
| 75,5 | <b>Udder</b>           | -0,29 |
|      | <b>SHI</b>             | -65,9 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                        |                       |                   |                |
|------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>       | Registration number   | Birth date        | State Register |
| <b>ZAVAR HARTIN-ET</b> | <b>SK000064923862</b> | <b>18.12.1994</b> | <b>HAC-004</b> |
| Country of origin      | SK                    | <b>Breed</b>      | H100           |
| Distributor            | INSEMAS s.r.o.        | Herdbook          | HA             |
|                        |                       | Paternity         | 24.06.1996     |
|                        |                       | SVK               | 0215/11        |

### Pedigree

|                              |            |                           |
|------------------------------|------------|---------------------------|
| <b>Sire</b>                  | <b>PGS</b> | RUANN GOLDEN NUGGET KLARK |
| LA-POE K HARDTAC-ET          |            | US000001829881            |
| US000002073505               | <b>PGD</b> | LA-POE B C HONESTY        |
| KLK-002                      |            | US000011895858            |
| <b>Dam</b>                   | <b>MGS</b> | ARLINDA ROTATE            |
| MEMORIAL-ACRES ROTATE TIN-ET |            | US000001697572            |
| US000012839998               | <b>MGD</b> | ROCKY-TERRACE VLNT ROZIE  |
|                              |            | US000011372002            |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>44</b> | Daug.       | <b>163</b> | Rel.       | <b>95 %</b>  | <b>SPI</b> | <b>-2888</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1062.        |
| <b>2511</b>                 |            |           |           | <b>-630</b> |            | <b>-23</b> | <b>0,02</b>  | <b>SCS</b> | <b>3,03</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>-0,06</b> | rank       | 579.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>19</b> | 75,9 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>-0,80</b> |
|                  |             |       |              |       |           |      |      | rank        | 702.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,25 |    |    | ■ |    |    |
| Angularity            | 0,26  |    |    |   | ■  |    |
| Chest Width           | -0,42 |    |    | ■ |    |    |
| Body Depth            | -0,92 |    | ■  |   |    |    |
| Rump Angle            | 0,58  |    |    |   | ■  |    |
| Rear Legs Side View   | 0,27  |    |    |   | ■  |    |
| Foot Angle            | 0,37  |    |    |   | ■  |    |
| Fore Udder Attachment | -0,73 |    | ■  |   |    |    |
| Front Teat Placement  | -0,44 |    | ■  |   |    |    |
| Teat Length           | -0,26 |    |    | ■ |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    | ■  |
| Rear Udder Width      | -0,78 |    | ■  |   |    |    |
| Central Ligament      | 0,32  |    |    |   | ■  |    |
| Udder Depth           | -0,06 |    |    |   |    | ■  |
| Rump Width            | 0,01  |    |    |   |    | ■  |
| Rear Legs Rear View   | 0,36  |    |    |   | ■  |    |
| Rear Teat Placement   | -0,55 |    | ■  |   |    |    |
| Locomotion            | -0,20 |    |    |   |    | ■  |
| Body Condition        | -0,05 |    |    |   |    | ■  |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 77,9 | <b>Frame</b>           | <b>-0,73</b>  |
| 72,2 | <b>Dairy Strength</b>  | <b>-0,24</b>  |
| 79,0 | <b>Feet &amp; Legs</b> | <b>0,37</b>   |
| 75,2 | <b>Udder</b>           | <b>-0,93</b>  |
|      | <b>SHI</b>             | <b>-119,2</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>PELAGIUS-ET</b> | <b>DE000349017291</b>             | <b>27.12.2002</b> | <b>PRX-002</b> |
| Country of origin  | DE                                | <b>Breed</b>      | R100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 20.10.2003     |
|                    |                                   | DEU               | 03/42778       |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | GLEN-TOCTIN JOHNSON-ET     |
| STARSTRUCK J PARADOX-RED-ET |            | US000002145651             |
| US000017286871              | <b>PGD</b> | J-DON MENTUM PILLAR-RED-ET |
|                             |            | US000015062983             |
| <b>Dam</b>                  | <b>MGS</b> | CHAPEL-BANK LAREDO RED     |
| NEW YORK 14                 |            | US000002199279             |
| DE000344774768              | <b>MGD</b> | NATALIE 153                |
|                             |            | DE001014131872             |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 45 | Daug. | 126 | Rel. | 94 % | <b>SPI</b> | -1928 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | rank       | 861.  |
| <b>2530</b>                 |            |           |    | -476  |     | -17  | 0,01 | <b>SCS</b> | 2,97  |
|                             |            |           |    |       |     |      | -13  | rank       | 482.  |
|                             |            |           |    |       |     |      | 0,05 |            |       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 19 | 77,0 | Rel. | 59 % | <b>TYPE</b> | -0,81 |
|                  |             |       |       |       |    |      |      | rank | 703.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,77 |    |    |   |    |    |
| Angularity            | 1,00  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | 0,72  |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,94 |    |    |   |    |    |
| Fore Udder Attachment | -0,20 |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | 0,45  |    |    |   |    |    |
| Rear Udder Width      | -0,18 |    |    |   |    |    |
| Central Ligament      | 0,27  |    |    |   |    |    |
| Udder Depth           | -0,73 |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | -0,88 |    |    |   |    |    |
| Rear Teat Placement   | -0,25 |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | -0,52 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,6 | <b>Frame</b>           | -1,18 |
| 80,0 | <b>Dairy Strength</b>  | 1,33  |
| 77,4 | <b>Feet &amp; Legs</b> | -1,58 |
| 74,4 | <b>Udder</b>           | -0,45 |
|      | <b>SHI</b>             | -90,4 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                      |                   |                |
|-----------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number  | Birth date        | State Register |
| <b>ABRAHAM BENCHMARK MAJOR-ET</b> | <b>SK00000203854</b> | <b>27.12.1995</b> | <b>BEK-005</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | SK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 19.12.1996 |
|                   |                                   | SVK          | 0220/19    |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| SINGING-BROOK BENCHMARK-ET |            | US000001879149                |
| US000002078290             | <b>PGD</b> | PACLAMAR MARIETTA BOWS        |
| MEW-001                    |            | US000012178426                |
| <b>Dam</b>                 | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| VIEW-NU MASCOT JENNY-ET    |            | US000002020049                |
| US000014828808             | <b>MGD</b> | EAGLE-D MISS JENNA-ET         |
|                            |            | US000013835547                |

|                             |            |           |    |       |    |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 84 | Rel. | 92 % | <b>SPI</b> | -1219 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  | %    | Prot.      | %     |
| 1719                        |            |           |    | -351  |    | 0    | 0,27 | -12        | -0,02 |
|                             |            |           |    |       |    |      |      | <b>SCS</b> | 3,05  |
|                             |            |           |    |       |    |      |      | rank       | 693.  |
|                             |            |           |    |       |    |      |      | rank       | 597.  |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 10 | Daug. | 17 | 75,7 | Rel. | 63 % | <b>TYPE</b> | -0,82 |
|                  |             |       |         |       |    |      |      | rank | 704.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,41  |    |    |   |    |    |
| Angularity            | -0,31 |    |    |   |    |    |
| Chest Width           | 0,02  |    |    |   |    |    |
| Body Depth            | 0,13  |    |    |   |    |    |
| Rump Angle            | 0,78  |    |    |   |    |    |
| Rear Legs Side View   | -0,68 |    |    |   |    |    |
| Foot Angle            | 0,08  |    |    |   |    |    |
| Fore Udder Attachment | -0,59 |    |    |   |    |    |
| Front Teat Placement  | -0,62 |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | 0,69  |    |    |   |    |    |
| Udder Depth           | -0,40 |    |    |   |    |    |
| Rump Width            | -0,24 |    |    |   |    |    |
| Rear Legs Rear View   | -0,76 |    |    |   |    |    |
| Rear Teat Placement   | -0,35 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,13 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 78,4 | <b>Frame</b>           | 0,37  |
|                 | 72,9 | <b>Dairy Strength</b>  | -0,86 |
|                 | 76,8 | <b>Feet &amp; Legs</b> | -0,20 |
|                 | 75,4 | <b>Udder</b>           | -1,24 |
|                 |      | <b>SHI</b>             | -69,4 |
|                 |      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
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|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>ZAVAR HAROT-ET</b> | <b>SK000064922862</b> | <b>18.12.1994</b> | <b>HAC-003</b> |
| Country of origin     | SK                    | <b>Breed</b>      | H100           |
| Distributor           | INSEMAS s.r.o.        | Herdbook          | HA             |
|                       |                       | Paternity         | 24.06.1996     |
|                       |                       | SK                | 0215/14        |

### Pedigree

|                              |            |                           |
|------------------------------|------------|---------------------------|
| <b>Sire</b>                  | <b>PGS</b> | RUANN GOLDEN NUGGET KLARK |
| LA-POE K HARDTAC-ET          |            | US000001829881            |
| US000002073505               | <b>PGD</b> | LA-POE B C HONESTY        |
| KLK-002                      |            | US000011895858            |
| <b>Dam</b>                   | <b>MGS</b> | ARLINDA ROTATE            |
| MEMORIAL-ACRES ROTATE TIN-ET |            | US000001697572            |
| US000012839998               | <b>MGD</b> | ROCKY-TERRACE VLNT ROZIE  |
|                              |            | US000011372002            |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>114</b> | Daug.       | <b>1341</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1528</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %           | rank       | 770.         |
| <b>26845</b>                |            |           |            | <b>-508</b> |             | <b>-1</b>  | <b>0,37</b> | <b>SCS</b> | <b>2,92</b>  |
|                             |            |           |            |             |             | <b>-12</b> | <b>0,07</b> | rank       | 423.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 15</b> | Daug. | <b>151</b> | 76,9 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-0,82</b> |
|                  |             |       |                |       |            |      |      | rank        | 705.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,62 |    |    |   |    |    |
| Angularity            | 0,52  |    |    |   |    |    |
| Chest Width           | -0,38 |    |    |   |    |    |
| Body Depth            | -0,20 |    |    |   |    |    |
| Rump Angle            | -0,72 |    |    |   |    |    |
| Rear Legs Side View   | -0,45 |    |    |   |    |    |
| Foot Angle            | 0,11  |    |    |   |    |    |
| Fore Udder Attachment | -0,58 |    |    |   |    |    |
| Front Teat Placement  | -0,96 |    |    |   |    |    |
| Teat Length           | -0,60 |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | 0,59  |    |    |   |    |    |
| Udder Depth           | -0,48 |    |    |   |    |    |
| Rump Width            | -0,28 |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,80 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,4 | <b>Frame</b>           | <b>-2,13</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>0,93</b>  |
| 77,3 | <b>Feet &amp; Legs</b> | <b>0,02</b>  |
| 75,9 | <b>Udder</b>           | <b>-0,32</b> |
|      | <b>SHI</b>             | <b>-78,8</b> |
|      | rank                   | 570.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>RGK FLAK</b>   | <b>DK006248400681</b>             | <b>16.11.2001</b> | <b>MNL-020</b> |
| Country of origin | DK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 12.03.2002     |
|                   |                                   | DK                | 231606         |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| B-Y-U MANDEL BOMBAY-ET |            | US000002119526           |
| US000002292218         | <b>PGD</b> | B-Y-U GLOW BRIGITTE      |
|                        |            | US000014689001           |
| <b>Dam</b>             | <b>MGS</b> | ETAZON LORD LILY-ET      |
| SALLY                  |            | NL000780180664           |
| DK004118100928         | <b>MGD</b> | DK004118100656           |

|                             |            |           |   |             |    |           |              |            |             |
|-----------------------------|------------|-----------|---|-------------|----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 4 | Daug.       | 85 | Rel.      | 91 %         | <b>SPI</b> | -862        |
| Number controls             |            | <b>BV</b> |   | Milk        |    | Fat       | %            | Prot.      | %           |
| <b>1482</b>                 |            |           |   | <b>-213</b> |    | <b>-9</b> | <b>-0,02</b> | <b>-5</b>  | <b>0,03</b> |
|                             |            |           |   |             |    |           |              | <b>SCS</b> | <b>2,97</b> |
|                             |            |           |   |             |    |           |              | rank       | ...         |
|                             |            |           |   |             |    |           |              | rank       | ...         |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 1 | Daug. | 86 | 78,8 | Rel. | 85 % | <b>TYPE</b> | -0,82 |
|                  |             |       |       |       |    |      |      |      | rank        | 706.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,01 |    |    |   |    |    |
| Angularity            | 1,15  |    |    |   |    |    |
| Chest Width           | -0,94 |    |    |   |    |    |
| Body Depth            | -0,63 |    |    |   |    |    |
| Rump Angle            | 0,43  |    |    |   |    |    |
| Rear Legs Side View   | 0,79  |    |    |   |    |    |
| Foot Angle            | -0,41 |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | 0,06  |    |    |   |    |    |
| Teat Length           | 0,11  |    |    |   |    |    |
| Rear Udder Height     | 0,08  |    |    |   |    |    |
| Rear Udder Width      | 0,02  |    |    |   |    |    |
| Central Ligament      | -1,17 |    |    |   |    |    |
| Udder Depth           | 0,14  |    |    |   |    |    |
| Rump Width            | -0,70 |    |    |   |    |    |
| Rear Legs Rear View   | -0,45 |    |    |   |    |    |
| Rear Teat Placement   | 0,56  |    |    |   |    |    |
| Locomotion            | 0,36  |    |    |   |    |    |
| Body Condition        | -0,51 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,6 | <b>Frame</b>           | -1,75 |
| 79,9 | <b>Dairy Strength</b>  | 1,24  |
| 78,3 | <b>Feet &amp; Legs</b> | -0,05 |
| 77,6 | <b>Udder</b>           | -0,60 |
|      | <b>SHI</b>             | -58,8 |
|      | rank                   | 529.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                      |                   |                |
|-------------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number  | Birth date        | State Register |
| <b>SUMMERSHADE B CONTRIBUTOR-ET</b> | <b>CA00006487230</b> | <b>29.04.1996</b> | <b>BW-011</b>  |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 18.09.1996 |
|                   |                | CAN          | 379185     |

### Pedigree

|                           |            |                               |
|---------------------------|------------|-------------------------------|
| <b>Sire</b>               | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| MAIZEFIELD BELLWOOD-ET    |            | US000001879149                |
| US000002103297            | <b>PGD</b> | BREN-WAY BELL BETSY           |
| MEW-004                   |            | US000012052401                |
| <b>Dam</b>                | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| SUMMERSHADE ILENE SCOT-ET |            | US000002020049 NBY-011        |
| CA000005619306            | <b>MGD</b> | SUMMERSHADE IRENA STAR-ET     |
|                           |            | CA000005156551                |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>111</b> | Daug.       | <b>2194</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>149</b>  |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> | <b>%</b>     | rank       | 399.        |
| <b>40980</b>                |            |           |            | <b>59</b>   |             | <b>-0</b>  | <b>-0,06</b> | <b>SCS</b> | <b>3,44</b> |
|                             |            |           |            |             |             | <b>1</b>   | <b>-0,02</b> | rank       | 1058.       |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>54 / 20</b> | Daug. | <b>460</b> | 77,7 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-0,82</b> |
|                  |             |       |                |       |            |      |      | rank        | 707.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | 0,20  |    |    |   |    |    |
| Chest Width           | -0,55 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 0,81  |    |    |   |    |    |
| Rear Legs Side View   | 1,06  |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | -0,45 |    |    |   |    |    |
| Front Teat Placement  | 0,26  |    |    |   |    |    |
| Teat Length           | 0,64  |    |    |   |    |    |
| Rear Udder Height     | 0,20  |    |    |   |    |    |
| Rear Udder Width      | 0,50  |    |    |   |    |    |
| Central Ligament      | -0,24 |    |    |   |    |    |
| Udder Depth           | -1,00 |    |    |   |    |    |
| Rump Width            | -0,53 |    |    |   |    |    |
| Rear Legs Rear View   | -1,02 |    |    |   |    |    |
| Rear Teat Placement   | 0,37  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | -0,51 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 79,7 | <b>Frame</b>           | <b>-0,93</b> |
|                 | 78,3 | <b>Dairy Strength</b>  | <b>-0,26</b> |
|                 | 77,1 | <b>Feet &amp; Legs</b> | <b>-1,24</b> |
|                 | 76,6 | <b>Udder</b>           | <b>-0,21</b> |
|                 |      | <b>SHI</b>             | <b>-28,3</b> |
| rank            |      |                        | 453.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                                   |                   |                |
|-----------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number               | Birth date        | State Register |
| <b>LOOSLEA BRETT VULCAN</b> | <b>US000130891015</b>             | <b>23.01.2001</b> | <b>BRE-002</b> |
| Country of origin           | US                                | <b>Breed</b>      | H100           |
| Distributor                 | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                             |                                   | Paternity         | 12.12.2005     |
|                             |                                   | US                | MO5011331      |

### Pedigree

|                             |                |                             |
|-----------------------------|----------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | MAIZEFIELD BELLWOOD-ET      |
| RICECREST BRETT-ET          | US000002103297 | MEW-004                     |
| US000002289548              | <b>PGD</b>     | RICECREST SOUTHWIND KAYE-ET |
|                             | US000014334791 |                             |
| <b>Dam</b>                  | <b>MGS</b>     | SHEN-VAL NV LM FORMATION-ET |
| CARNATION FORMATN VIOLET-ET | US000002163822 | LAD-009                     |
| US000017391041              | <b>MGD</b>     | CARNATION LOYALTY VICTORIA  |
|                             | US000014619025 |                             |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 18 | Daug. | 302 | Rel.  | 98 % | <b>SPI</b> | 1381        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| <b>5838</b>                 |            |           |    | 221   | 8   | -0,02 | 13   | 0,13       | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 173.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 196.        |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 24 / 9 | Daug. | 90 | 78,2 | Rel. | 87 % | <b>TYPE</b> | -0,82 |
|                  |             |       |        |       |    |      |      |      | rank        | 708.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,10 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | -0,49 |    |    |   |    |    |
| Body Depth            | -1,20 |    |    |   |    |    |
| Rump Angle            | -0,34 |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | 0,24  |    |    |   |    |    |
| Fore Udder Attachment | 0,69  |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | -0,39 |    |    |   |    |    |
| Rear Udder Height     | 0,24  |    |    |   |    |    |
| Rear Udder Width      | -0,36 |    |    |   |    |    |
| Central Ligament      | 0,12  |    |    |   |    |    |
| Udder Depth           | 1,28  |    |    |   |    |    |
| Rump Width            | -0,71 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | 0,23  |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | -0,18 |    |    |   |    |    |

daught. average

81,3 **Frame** -0,90

78,5 **Dairy Strength** -1,43

77,8 **Feet & Legs** -0,64

76,6 **Udder** -0,27

**SHI** 8,8

rank 342.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ADAM-ET</b>    | <b>DE000015230722</b>             | <b>08.08.1992</b> | <b>ARS-003</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 04.03.1993     |
|                   |                                   | DEU               | 93/3605        |

### Pedigree

|                    |            |                      |
|--------------------|------------|----------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR |            | CA000000352790       |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011            |            | CA0000003511527      |
| <b>Dam</b>         | <b>MGS</b> | GLENAFTON ENHANCER   |
| MARITA             |            | CA000000343514       |
| DE001015038867     | <b>MGD</b> | MONI                 |
|                    |            | DE001004528782       |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>85</b> | Daug.       | <b>386</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-2750</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1034.        |
| <b>8048</b>                 |            |           |           | <b>-662</b> |            | <b>-19</b> | <b>0,13</b>  | <b>SCS</b> | <b>3,42</b>  |
|                             |            |           |           |             |            | <b>-20</b> | <b>-0,00</b> | rank       | 1044.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 12</b> | Daug. | <b>36</b> | 75,8 | Rel. | <b>77 %</b> | <b>TYPE</b> | <b>-0,82</b> |
|                  |             |       |                |       |           |      |      | rank        | 709.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,72 |    |    |   |    |    |
| Angularity            | -0,14 |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,42 |    |    |   |    |    |
| Rump Angle            | 0,09  |    |    |   |    |    |
| Rear Legs Side View   | -0,39 |    |    |   |    |    |
| Foot Angle            | 0,23  |    |    |   |    |    |
| Fore Udder Attachment | -0,15 |    |    |   |    |    |
| Front Teat Placement  | -0,59 |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,00 |    |    |   |    |    |
| Rear Udder Width      | -0,22 |    |    |   |    |    |
| Central Ligament      | -0,19 |    |    |   |    |    |
| Udder Depth           | -0,42 |    |    |   |    |    |
| Rump Width            | -0,42 |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | -0,81 |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 76,0 | <b>Frame</b>           | <b>-1,22</b>  |
| 73,0 | <b>Dairy Strength</b>  | <b>-0,77</b>  |
| 77,4 | <b>Feet &amp; Legs</b> | <b>0,01</b>   |
| 76,3 | <b>Udder</b>           | <b>-0,11</b>  |
|      | <b>SHI</b>             | <b>-115,8</b> |
|      | rank                   | 619.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>KONSENS-ET</b> | <b>DE000579333387</b>             | <b>17.07.2002</b> | <b>KOR-004</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 24.09.2002     |
|                   |                                   | DEU               | 02/9600        |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | KOERIER 104    |
| KOENIG-ET      |            | NL000461733916 |
| DE000577023256 | <b>PGD</b> | ARIZONA        |
| KOR-002        |            | DE000576213905 |
| <b>Dam</b>     | <b>MGS</b> | LUKAS          |
| ARCIA RF       |            | DE001012104370 |
| DE000578427342 | <b>MGD</b> | ANJA 347       |
|                |            | DE000506016310 |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 37 | Daug. | 100 | Rel. | 92 % | <b>SPI</b> | -3070 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>1867</b>                 |            |           |    | -785  |     | -29  | 0,01 | -19        | 0,14  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,12  |
|                             |            |           |    |       |     |      |      | rank       | 1090. |
|                             |            |           |    |       |     |      |      | rank       | 683.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 6 | Daug. | 14 | 76,2 | Rel. | 60 % | <b>TYPE</b> | -0,83 |
|                  |             |       |       |       |    |      |      |      | rank        | 710.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,00  |    |    |   |    |    |
| Angularity            | 0,40  |    |    |   |    |    |
| Chest Width           | 0,17  |    |    |   |    |    |
| Body Depth            | 0,03  |    |    |   |    |    |
| Rump Angle            | -0,08 |    |    |   |    |    |
| Rear Legs Side View   | 0,76  |    |    |   |    |    |
| Foot Angle            | -0,86 |    |    |   |    |    |
| Fore Udder Attachment | -0,23 |    |    |   |    |    |
| Front Teat Placement  | -0,50 |    |    |   |    |    |
| Teat Length           | -1,06 |    |    |   |    |    |
| Rear Udder Height     | -0,40 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,86 |    |    |   |    |    |
| Udder Depth           | 0,15  |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | -0,09 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 79,8 | <b>Frame</b>           | <b>0,19</b>   |
| 78,2 | <b>Dairy Strength</b>  | <b>1,01</b>   |
| 74,4 | <b>Feet &amp; Legs</b> | <b>-1,80</b>  |
| 73,8 | <b>Udder</b>           | <b>-1,42</b>  |
|      | <b>SHI</b>             | <b>-125,9</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>FRICI VALIANT</b> | <b>HU000000010979</b> | <b>05.09.1986</b> | <b>VAL-015</b> |
| Country of origin    | HU                    | <b>Breed</b>      | H100           |
| Distributor          | Maďarsko              | Herdbook          | HA             |
|                      |                       | Paternity         |                |

### Pedigree

|                |            |                            |
|----------------|------------|----------------------------|
| <b>Sire</b>    | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF  |
| S-W-D VALIANT  |            | US000001427381             |
| US000001650414 | <b>PGD</b> | ALLIED ADMIRAL ROSE VIVIAN |
|                |            | US000006781299             |
| <b>Dam</b>     | <b>MGS</b> | VIVAT-FIA                  |
| JONAS          |            | HU000000003543             |
| HU000540203536 | <b>MGD</b> | JONAS                      |
|                |            | HU000540202087             |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>139</b> | Daug.       | <b>2060</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3501</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1185.        |
| <b>39260</b>                |            |           |            | <b>-862</b> |             | <b>-27</b> | <b>0,12</b> | <b>SCS</b> | <b>2,95</b>  |
|                             |            |           |            |             |             | <b>-24</b> | <b>0,06</b> | rank       | 466.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>18</b> | 74,9 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>-0,83</b> |
|                  |             |       |              |       |           |      |      | rank        | 711.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,46 |    |    |   |    |    |
| Angularity            | -0,54 |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | -0,14 |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,30 |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    |    |
| Teat Length           | -0,07 |    |    |   |    |    |
| Rear Udder Height     | -0,79 |    |    |   |    |    |
| Rear Udder Width      | -0,60 |    |    |   |    |    |
| Central Ligament      | -0,49 |    |    |   |    |    |
| Udder Depth           | 0,44  |    |    |   |    |    |
| Rump Width            | 0,65  |    |    |   |    |    |
| Rear Legs Rear View   | -0,01 |    |    |   |    |    |
| Rear Teat Placement   | -0,45 |    |    |   |    |    |
| Locomotion            | 0,17  |    |    |   |    |    |
| Body Condition        | 0,72  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,9 | <b>Frame</b>           | <b>-0,39</b>  |
| 72,3 | <b>Dairy Strength</b>  | <b>-1,13</b>  |
| 79,2 | <b>Feet &amp; Legs</b> | <b>1,04</b>   |
| 73,9 | <b>Udder</b>           | <b>-1,20</b>  |
|      | <b>SHI</b>             | <b>-138,9</b> |
|      | rank                   | 641.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>JONETT</b>     | <b>DE000113649052</b>             | <b>20.03.2002</b> | <b>CES-007</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 06.09.2002            |
|                   |                                   | DEU               | 02/33842              |

### Pedigree

|                         |            |                         |
|-------------------------|------------|-------------------------|
| <b>Sire</b>             | <b>PGS</b> | ETAZON CELSIUS-ET       |
| PAULO-BRO CEL JASPER-ET |            | NL000460508522          |
| US000017012860          | <b>PGD</b> | GCL BLACKSTAR JACKIE-ET |
|                         |            | US000014067501          |
| <b>Dam</b>              | <b>MGS</b> | ESQUIMAU                |
| WENCKE                  |            | FR002989026154          |
| DE000110065251          | <b>MGD</b> | RODESIO                 |
|                         |            | DE000107740925          |

|                             |            |           |    |       |    |      |       |            |       |
|-----------------------------|------------|-----------|----|-------|----|------|-------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 99 | Rel. | 93 %  | <b>SPI</b> | -1391 |
| Number controls             |            | <b>BV</b> |    | Milk  |    | Fat  |       | rank       | 731.  |
| <b>2060</b>                 |            |           |    | -282  |    | -8   | 0,05  | <b>SCS</b> | 2,77  |
|                             |            |           |    |       |    |      | -12   | rank       | 254.  |
|                             |            |           |    |       |    |      | -0,09 |            |       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 7 | Daug. | 10 | 77,8 | Rel. | 54 % | <b>TYPE</b> | -0,83 |
|                  |             |       |       |       |    |      |      | rank | 712.        |       |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,91 | [Bar chart] |    |   |    |    |
| Angularity            | -0,14 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,09 | [Bar chart] |    |   |    |    |
| Body Depth            | -0,42 | [Bar chart] |    |   |    |    |
| Rump Angle            | -1,43 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | -0,12 | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,10 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | 0,21  | [Bar chart] |    |   |    |    |
| Front Teat Placement  | 0,45  | [Bar chart] |    |   |    |    |
| Teat Length           | -0,46 | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,34 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,71 | [Bar chart] |    |   |    |    |
| Central Ligament      | 0,21  | [Bar chart] |    |   |    |    |
| Udder Depth           | 0,60  | [Bar chart] |    |   |    |    |
| Rump Width            | -0,21 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | 0,69  | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,11 | [Bar chart] |    |   |    |    |
| Locomotion            | 0,29  | [Bar chart] |    |   |    |    |
| Body Condition        | -0,31 | [Bar chart] |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,9 | <b>Frame</b>           | -2,55 |
| 77,7 | <b>Dairy Strength</b>  | -0,55 |
| 79,5 | <b>Feet &amp; Legs</b> | 0,32  |
| 77,1 | <b>Udder</b>           | 0,22  |
|      | <b>SHI</b>             | -75,3 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>LONG-HAVEN SAMBO-ET</b> | <b>US000002129064</b> | <b>28.02.1990</b> | <b>BS-013</b>  |
| Country of origin          | US                    | <b>Breed</b>      | H100           |
| Distributor                | Kanada                | Herdbook          | HA             |
|                            |                       | Paternity         |                |

### Pedigree

|                           |            |                          |
|---------------------------|------------|--------------------------|
| <b>Sire</b>               | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET       |            | US000001723741           |
| US000001929410            | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                   |            | US000009804790           |
| <b>Dam</b>                | <b>MGS</b> | ROCKALLI SON OF BOVA     |
| LONG-HAVEN BOVA SAMARA-ET |            | US000001665634           |
| US000012040197            | <b>MGD</b> | LONG-HAVEN VALIANT SALLY |
|                           |            | US000010688755           |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>160</b> | Daug.      | <b>3056</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-275</b> |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       |              | rank       | 480.        |
| <b>60305</b>                |            |           |            | <b>121</b> |             | <b>-8</b> | <b>-0,24</b> | <b>SCS</b> | <b>3,34</b> |
|                             |            |           |            |            |             | <b>-3</b> | <b>-0,16</b> | rank       | 969.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>63 / 30</b> | Daug. | <b>348</b> | 77,0 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,83</b> |
|                  |             |       |                |       |            |      |      | rank        | 713.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,91 |    |    |   |    |    |
| Angularity            | 0,55  |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -0,23 |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | 0,73  |    |    |   |    |    |
| Foot Angle            | -0,82 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 0,42  |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,21  |    |    |   |    |    |
| Central Ligament      | -0,62 |    |    |   |    |    |
| Udder Depth           | -0,70 |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | -0,61 |    |    |   |    |    |
| Rear Teat Placement   | 1,04  |    |    |   |    |    |
| Locomotion            | -0,59 |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,8 | <b>Frame</b>           | <b>-1,19</b> |
| 76,2 | <b>Dairy Strength</b>  | <b>1,10</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-2,81</b> |
| 76,6 | <b>Udder</b>           | <b>0,10</b>  |
|      | <b>SHI</b>             | <b>-41,6</b> |
|      | rank                   | 489.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>DRH GORBI</b>  | <b>DK000000044490</b> | <b>01.01.2004</b> | <b>GLD-001</b> |
| Country of origin | DK                    | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 19.05.2004     |
|                   |                       | DNK               | 245823         |

### Pedigree

|                |            |                   |
|----------------|------------|-------------------|
| <b>Sire</b>    | <b>PGS</b> | GOLDIE RED        |
| GOLDSTAR       |            | NL000706570603    |
| DE000577745977 | <b>PGD</b> | LARISSA           |
|                |            | DE000576142141    |
| <b>Dam</b>     | <b>MGS</b> | SUBLIEM TULIP RED |
|                |            | NL000815222426    |
| DK003916101244 | <b>MGD</b> | DK003881800788    |

NIK-001

|                             |            |           |           |             |            |             |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.       | <b>124</b> | Rel.        | <b>94 %</b> | <b>SPI</b> | <b>76</b>   |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank       | 414.        |
| <b>2629</b>                 |            |           |           | <b>-232</b> | <b>9</b>   | <b>0,33</b> | <b>3</b>    | <b>SCS</b> | <b>3,13</b> |
|                             |            |           |           |             |            |             |             | rank       | 699.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>18</b> | 78,4 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>-0,83</b> |
|                  |             |       |              |       |           |      |      | rank        | 714.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,25 |    |    |   |    |    |
| Angularity            | -0,02 |    |    |   |    |    |
| Chest Width           | -0,18 |    |    |   |    |    |
| Body Depth            | 0,32  |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,06  |    |    |   |    |    |
| Foot Angle            | -0,41 |    |    |   |    |    |
| Fore Udder Attachment | 0,06  |    |    |   |    |    |
| Front Teat Placement  | -0,04 |    |    |   |    |    |
| Teat Length           | -0,35 |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,51 |    |    |   |    |    |
| Rump Width            | -0,73 |    |    |   |    |    |
| Rear Legs Rear View   | -0,09 |    |    |   |    |    |
| Rear Teat Placement   | 0,29  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,16  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,9 | <b>Frame</b>           | <b>-1,63</b> |
| 80,6 | <b>Dairy Strength</b>  | <b>0,13</b>  |
| 79,4 | <b>Feet &amp; Legs</b> | <b>-0,77</b> |
| 75,8 | <b>Udder</b>           | <b>-0,49</b> |
|      | <b>SHI</b>             | <b>-31,1</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                       |                   |                |
|-------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number   | Birth date        | State Register |
| <b>CIFER BELLWOOD MAKO-ET</b> | <b>SK000069216862</b> | <b>06.05.1997</b> | <b>BW-004</b>  |
| Country of origin <b>SK</b>   |                       | <b>Breed</b>      | H100           |
| Distributor                   |                       | Herdbook          | HA             |
|                               |                       | Paternity         |                |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>   | <b>PGS</b> | ARLINDA MELWOOD-ET<br>US000001879149                |
| MAIZEFIELD BELLWOOD-ET<br>US000002103297<br>MEW-004 | <b>PGD</b> | BREN-WAY BELL BETSY<br>US000012052401               |
| <b>Dam</b>  | <b>MGS</b> | MADAWASKA AEROSTAR<br>CA000000383622 <b>STB-011</b> |
| LEXVOLD AEROSTAR PRETZ9-ET<br>US000014788970        | <b>MGD</b> | LEXVOLD BOARD CHAIRMAN PRETZEL<br>US000012191036    |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>55</b> | Daug.      | <b>184</b> | Rel.      | <b>96 %</b> | <b>SPI</b> | <b>-217</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 468.        |
| <b>3481</b>                 |            |           |           | <b>-96</b> |            | <b>1</b>  | <b>0,09</b> | <b>SCS</b> | <b>2,62</b> |
|                             |            |           |           |            |            | <b>-2</b> | <b>0,02</b> | rank       | 136.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 13</b> | Daug. | <b>49</b> | 75,9 | Rel. | <b>79 %</b> | <b>TYPE</b> | <b>-0,84</b> |
|                  |             |       |                |       |           |      |      | rank        | 715.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,03  |    |    |   |    |    |
| Angularity            | -0,21 |    |    |   |    |    |
| Chest Width           | -0,78 |    |    |   |    |    |
| Body Depth            | -0,81 |    |    |   |    |    |
| Rump Angle            | -0,44 |    |    |   |    |    |
| Rear Legs Side View   | -0,03 |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | -0,06 |    |    |   |    |    |
| Front Teat Placement  | -0,54 |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | -0,06 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | -1,08 |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,06 |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | 0,11  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,6 | <b>Frame</b>           | <b>-0,63</b> |
| 72,6 | <b>Dairy Strength</b>  | <b>-1,77</b> |
| 77,6 | <b>Feet &amp; Legs</b> | <b>0,68</b>  |
| 76,0 | <b>Udder</b>           | <b>-0,65</b> |
|      | <b>SHI</b>             | <b>-40,3</b> |
|      | rank                   | 483.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                       |                   |                |
|--------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>         | Registration number   | Birth date        | State Register |
| <b>TOPSPEED AQUARIUS</b> | <b>NL000372613529</b> | <b>06.09.2003</b> | <b>MRC-002</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 28.01.2004 |
|                   |                                   | NLD          | 104294     |

### Pedigree

|                 |            |                         |
|-----------------|------------|-------------------------|
| <b>Sire</b>     | <b>PGS</b> | LOOSLEA BSTAR MARCEL-ET |
| MARCEL RED      |            | US000002138315          |
| FR005996024475  | <b>PGD</b> | SHADY-LAWN-U NANCY-ET   |
| MRC-001         |            | US000015173486          |
| <b>Dam</b>      | <b>MGS</b> | BATENBURG F DAAN        |
| COCTAIL ANDY 70 |            | NL000841158304          |
| NL000215599023  | <b>MGD</b> | COCKTAIL ANDY 51        |
|                 |            | NL000142441310          |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>104</b> | Daug.       | <b>2329</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1195</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 690.         |
| <b>39782</b>                |            |           |            | <b>-353</b> |             | <b>-14</b> | <b>-0,03</b> | <b>SCS</b> | <b>3,01</b>  |
|                             |            |           |            |             |             | <b>-5</b>  | <b>0,14</b>  | rank       | 554.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>41 / 13</b> | Daug. | <b>198</b> | 79,3 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-0,85</b> |
|                  |             |       |                |       |            |      |      | rank        | 716.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,95 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | 0,31  |    |    |   |    |    |
| Rear Legs Side View   | -0,12 |    |    |   |    |    |
| Foot Angle            | 0,18  |    |    |   |    |    |
| Fore Udder Attachment | -0,41 |    |    |   |    |    |
| Front Teat Placement  | -1,23 |    |    |   |    |    |
| Teat Length           | 0,71  |    |    |   |    |    |
| Rear Udder Height     | -0,16 |    |    |   |    |    |
| Rear Udder Width      | -0,34 |    |    |   |    |    |
| Central Ligament      | 0,58  |    |    |   |    |    |
| Udder Depth           | -0,43 |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | -0,54 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,28  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,9 | <b>Frame</b>           | <b>-1,16</b> |
| 80,4 | <b>Dairy Strength</b>  | <b>-0,88</b> |
| 81,4 | <b>Feet &amp; Legs</b> | <b>0,11</b>  |
| 76,2 | <b>Udder</b>           | <b>-0,59</b> |
|      | <b>SHI</b>             | <b>-70,0</b> |
|      | rank                   | 552.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ZILLO</b>     | <b>DE000578900534</b>      | <b>27.10.2000</b> | <b>JUT-003</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 14.12.2000 |
|                   |                | DEU          | 00/14516   |

### Pedigree

|                     |            |                     |
|---------------------|------------|---------------------|
| <b>Sire</b>         | <b>PGS</b> | JURIST              |
| ZANDENBURG RED STAR |            | DE001012054344      |
| NL000118912899      | <b>PGD</b> | BERTHA 82           |
|                     |            | NL000816746369      |
| <b>Dam</b>          | <b>MGS</b> | KOMMANDEUR LEADER 1 |
| GRISELD 362         |            | NL000775157228      |
| DE000577755002      | <b>MGD</b> | GRIMALDI            |
|                     |            | DE000576373403      |

|                             |            |           |           |             |             |              |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>99</b> | Daug.       | <b>1171</b> | Rel.         | <b>99 %</b> | <b>SPI</b> | <b>-1860</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Prot.        |             | rank       | 845.         |
| <b>24475</b>                |            |           |           | <b>-269</b> | <b>-30</b>  | <b>-0,40</b> | <b>-11</b>  | <b>SCS</b> | <b>2,93</b>  |
|                             |            |           |           |             |             |              |             | rank       | 431.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 7</b> | Daug. | <b>140</b> | 79,4 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-0,86</b> |
|                  |             |       |               |       |            |      |      | rank        | 717.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,74 |    |    |   |    |    |
| Angularity            | -0,12 |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | 0,65  |    |    |   |    |    |
| Foot Angle            | -0,63 |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | 1,19  |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | -0,50 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | -1,14 |    |    |   |    |    |
| Rump Width            | 0,74  |    |    |   |    |    |
| Rear Legs Rear View   | 0,14  |    |    |   |    |    |
| Rear Teat Placement   | 0,79  |    |    |   |    |    |
| Locomotion            | 0,44  |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 83,6 | <b>Frame</b>           | <b>-0,47</b> |
|                 | 80,5 | <b>Dairy Strength</b>  | <b>-0,31</b> |
|                 | 81,1 | <b>Feet &amp; Legs</b> | <b>-0,68</b> |
|                 | 75,8 | <b>Udder</b>           | <b>-0,88</b> |
|                 |      | <b>SHI</b>             | <b>-90,7</b> |
|                 |      | rank                   | 593.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                                   |                   |                |
|-------------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number               | Birth date        | State Register |
| <b>ABRAHAM CUTIES MARK LANDO-ET</b> | <b>SK00000204854</b>              | <b>29.12.1995</b> | <b>ED-001</b>  |
| Country of origin                   | SK                                | <b>Breed</b>      | H100           |
| Distributor                         | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                     |                                   | Paternity         | 19.12.1996     |
|                                     |                                   | SVK               | 0220/20        |

### Pedigree

|                               |            |                           |
|-------------------------------|------------|---------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WALKWAY CHIEF MARK        |
| OSDEL-ENDEAVOR CUTIES MARK-ET |            | US000001773417            |
| US000002009164                | <b>PGD</b> | RYND-HOME VALIANT CUTIE   |
| WLK-016                       |            | US000011268725            |
| <b>Dam</b>                    | <b>MGS</b> | OSDEL-ENDEAVOR BOVA CUBBY |
| ABS GEN CUBBY KALLIOPE-ET     |            | US000001986164            |
| US000015030424                | <b>MGD</b> | CARROUSEL KARO-ET         |
|                               |            | US000013972702            |

|                             |            |           |    |       |     |       |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug. | 106 | Rel.  | 93 % | <b>SPI</b> | -578  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | rank       | 550.  |
| <b>2060</b>                 |            |           |    | 5     | -7  | -0,15 | -6   | <b>SCS</b> | 3,38  |
|                             |            |           |    |       |     |       |      | rank       | 1016. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 8 | Daug. | 16 | 75,8 | Rel. | 62 % | <b>TYPE</b> | -0,87 |
|                  |             |       |       |       |    |      |      | rank | 718.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,52 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,46  |    |    |   |    |    |
| Body Depth            | 0,93  |    |    |   |    |    |
| Rump Angle            | -1,18 |    |    |   |    |    |
| Rear Legs Side View   | 0,79  |    |    |   |    |    |
| Foot Angle            | -0,71 |    |    |   |    |    |
| Fore Udder Attachment | -0,71 |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | 0,89  |    |    |   |    |    |
| Rear Udder Height     | -0,32 |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | -0,71 |    |    |   |    |    |
| Udder Depth           | -0,98 |    |    |   |    |    |
| Rump Width            | 0,57  |    |    |   |    |    |
| Rear Legs Rear View   | 0,68  |    |    |   |    |    |
| Rear Teat Placement   | -0,64 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 77,3 | <b>Frame</b>           | -1,37 |
| 76,5 | <b>Dairy Strength</b>  | 1,00  |
| 72,5 | <b>Feet &amp; Legs</b> | -1,02 |
| 76,3 | <b>Udder</b>           | -0,45 |
|      | <b>SHI</b>             | -52,1 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>LOVER BOY</b>  | <b>NL000406555403</b>             | <b>20.08.1995</b> | <b>ELE-001</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 05.11.1996     |
|                   |                                   | NLD               | 139759147      |

### Pedigree

|                   |            |                           |
|-------------------|------------|---------------------------|
| <b>Sire</b>       | <b>PGS</b> | MEADOLAKE JUBILANT-ET     |
| ETAZON LOVING ERK |            | CA000000376455            |
| NL000461249824    | <b>PGD</b> | JAY-MAR BELL BUTTERCUP    |
|                   |            | US000011394511            |
| <b>Dam</b>        | <b>MGS</b> | SHADY-LAWN-U LOGIC RED-ET |
| ROSALIE 3         |            | US000002034426            |
| NL000861802438    | <b>MGD</b> | LEADMAN ROSALIE           |
|                   |            | US000014268196            |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>210</b> | Daug.       | <b>4495</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1697</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 812.         |
| <b>91471</b>                |            |           |            | <b>-555</b> |             | <b>-9</b>  | <b>0,24</b> | <b>SCS</b> | <b>2,95</b>  |
|                             |            |           |            |             |             | <b>-11</b> | <b>0,16</b> | rank       | 467.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>30 / 13</b> | Daug. | <b>170</b> | 76,7 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-0,87</b> |
|                  |             |       |                |       |            |      |      | rank        | 719.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,11  |    |    |   |    |    |
| Angularity            | -0,45 |    |    |   |    |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | -0,55 |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | 0,45  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | -1,21 |    |    |   |    |    |
| Teat Length           | 0,46  |    |    |   |    |    |
| Rear Udder Height     | -0,63 |    |    |   |    |    |
| Rear Udder Width      | -1,04 |    |    |   |    |    |
| Central Ligament      | -0,46 |    |    |   |    |    |
| Udder Depth           | 0,96  |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | -0,97 |    |    |   |    |    |
| Locomotion            | 0,19  |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>0,04</b>  |
| 77,0 | <b>Dairy Strength</b>  | <b>-1,45</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,96</b>  |
| 73,9 | <b>Udder</b>           | <b>-1,60</b> |
|      | <b>SHI</b>             | <b>-85,9</b> |
|      | rank                   | 586.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                      |                   |                |
|-----------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                  | Registration number  | Birth date        | State Register |
| <b>ABRAHAM BENCHMARK MARSH-ET</b> | <b>SK00000211854</b> | <b>25.01.1996</b> | <b>BEK-006</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | SK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 27.01.1997 |
|                   |                                   | SVK          | 0221/03    |

### Pedigree

|                            |            |                               |
|----------------------------|------------|-------------------------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| SINGING-BROOK BENCHMARK-ET |            | US000001879149                |
| US000002078290             | <b>PGD</b> | PACLAMAR MARIETTA BOWS        |
| MEW-001                    |            | US000012178426                |
| <b>Dam</b>                 | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| VIEW-NU MASCOT JENNY-ET    |            | US000002020049                |
| US000014828808             | <b>MGD</b> | EAGLE-D MISS JENNA-ET         |
|                            |            | US000013835547                |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>304</b> | Daug.       | <b>4189</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-567</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |             | rank       | 545.        |
| <b>81220</b>                |            |           |            | <b>-292</b> |             | <b>13</b> | <b>0,46</b> | <b>SCS</b> | <b>2,91</b> |
|                             |            |           |            |             |             |           |             | rank       | 411.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>76 / 35</b> | Daug. | <b>342</b> | 77,2 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,87</b> |
|                  |             |       |                |       |            |      |      | rank        | 720.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,29  |    |    |   |    |    |
| Angularity            | -0,33 |    |    |   |    |    |
| Chest Width           | 0,44  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,48  |    |    |   |    |    |
| Rear Legs Side View   | 0,46  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | -0,99 |    |    |   |    |    |
| Front Teat Placement  | -1,19 |    |    |   |    |    |
| Teat Length           | 0,62  |    |    |   |    |    |
| Rear Udder Height     | -0,63 |    |    |   |    |    |
| Rear Udder Width      | -0,47 |    |    |   |    |    |
| Central Ligament      | 0,26  |    |    |   |    |    |
| Udder Depth           | -0,98 |    |    |   |    |    |
| Rump Width            | 0,50  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | -0,65 |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,3 | <b>Frame</b>           | <b>0,65</b>  |
| 77,7 | <b>Dairy Strength</b>  | <b>-0,30</b> |
| 77,2 | <b>Feet &amp; Legs</b> | <b>-0,92</b> |
| 74,8 | <b>Udder</b>           | <b>-1,85</b> |
|      | <b>SHI</b>             | <b>-52,0</b> |
|      | rank                   | 509.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>STARTMORE ROYALIST-ET</b> | <b>CA000005470562</b> | <b>25.06.1991</b> | <b>ARS-018</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | CA             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 12.12.1991 |
|                   |                | CAN          | 263486     |

### Pedigree

|                       |            |                      |
|-----------------------|------------|----------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR    |            | CA000000352790       |
| CA000000383622        | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011               |            | CA0000003511527      |
| <b>Dam</b>            | <b>MGS</b> | BUTLERVIEW MATTADOR  |
| STARTMORE RACHELLE-ET |            | CA000000347993       |
| CA0000004324253       | <b>MGD</b> | STARTMORE CHANEL- ET |
|                       |            | CA0000003602443      |

|                             |            |           |            |             |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>115</b> | Daug.       | <b>2009</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-641</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       | %            | Prot.      | %           |
| <b>41119</b>                |            |           |            | <b>-144</b> |             | <b>-6</b> | <b>-0,03</b> | <b>-4</b>  | <b>0,00</b> |
|                             |            |           |            |             |             |           |              | <b>SCS</b> | <b>3,41</b> |
|                             |            |           |            |             |             |           |              | rank       | 563.        |
|                             |            |           |            |             |             |           |              | rank       | 1031.       |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>56 / 20</b> | Daug. | <b>286</b> | 76,7 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-0,87</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 721.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,42 |    |    |   |    |    |
| Angularity            | 0,36  |    |    |   |    |    |
| Chest Width           | -0,46 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | -0,29 |    |    |   |    |    |
| Foot Angle            | -0,74 |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,12 |    |    |   |    |    |
| Teat Length           | 0,59  |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,80 |    |    |   |    |    |
| Udder Depth           | -0,52 |    |    |   |    |    |
| Rump Width            | -0,99 |    |    |   |    |    |
| Rear Legs Rear View   | 0,25  |    |    |   |    |    |
| Rear Teat Placement   | -0,77 |    |    |   |    |    |
| Locomotion            | 0,15  |    |    |   |    |    |
| Body Condition        | 0,02  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,3 | <b>Frame</b>           | <b>-0,92</b> |
| 75,6 | <b>Dairy Strength</b>  | <b>0,52</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-1,05</b> |
| 76,2 | <b>Udder</b>           | <b>-0,72</b> |
|      | <b>SHI</b>             | <b>-54,3</b> |
|      | rank                   | 517.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                      |                                   |                   |                       |
|----------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>     | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>HIDDINK TINTO</b> | <b>NL000232124417</b>             | <b>09.08.1998</b> | <b>YVA-002</b>        |
| Country of origin    | NL                                | <b>Breed</b>      | R100                  |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                      |                                   | Paternity         | ...                   |

### Pedigree

|                   |            |                        |
|-------------------|------------|------------------------|
| <b>Sire</b>       | <b>PGS</b> | MADAWASKA AEROSTAR     |
| ETAZON YAVA       |            | CA000000383622         |
| NL000832126121    | <b>PGD</b> | GRANDUC SUGAR CLEIT-ET |
|                   |            | US000014387822         |
|                   |            | STB-011                |
| <b>Dam</b>        | <b>MGS</b> | MARTY RED-ET           |
| HIDDINK TULIPE 20 |            | NL000959580420         |
| NL000142897157    | <b>MGD</b> | HIDDINK TULIPE 8       |
|                   |            | NL000774796291         |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 52 | Daug. | 123 | Rel. | 94 % | <b>SPI</b> | -1588 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | rank       | 786.  |
| <b>2648</b>                 |            |           |    | -577  | 7   | 0,59 | -15  | <b>SCS</b> | 2,82  |
|                             |            |           |    |       |     |      | 0,07 | rank       | 312.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 17 | 76,1 | Rel. | 57 % | <b>TYPE</b> | -0,88 |
|                  |             |       |       |       |    |      |      | rank | 722.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,30  |    |    |   |    |    |
| Angularity            | -0,62 |    |    |   |    |    |
| Chest Width           | 1,44  |    |    |   |    |    |
| Body Depth            | 0,71  |    |    |   |    |    |
| Rump Angle            | 1,03  |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | -0,13 |    |    |   |    |    |
| Fore Udder Attachment | -1,09 |    |    |   |    |    |
| Front Teat Placement  | -0,25 |    |    |   |    |    |
| Teat Length           | -0,49 |    |    |   |    |    |
| Rear Udder Height     | -1,03 |    |    |   |    |    |
| Rear Udder Width      | -0,37 |    |    |   |    |    |
| Central Ligament      | -0,41 |    |    |   |    |    |
| Udder Depth           | -1,40 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | -1,25 |    |    |   |    |    |
| Rear Teat Placement   | -0,36 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | 0,53  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,9 | <b>Frame</b>           | 1,38  |
| 76,3 | <b>Dairy Strength</b>  | 0,03  |
| 75,9 | <b>Feet &amp; Legs</b> | -0,82 |
| 73,6 | <b>Udder</b>           | -1,80 |
|      | <b>SHI</b>             | -83,1 |
|      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                               |                                   |                   |                |
|-------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>              | Registration number               | Birth date        | State Register |
| <b>HY-PINE DUTCH SCORE-ET</b> | <b>US000128016846</b>             | <b>25.06.1999</b> | <b>TAG-004</b> |
| Country of origin             | US                                | <b>Breed</b>      | H100           |
| Distributor                   | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                               |                                   | Paternity         | 15.11.2004     |
|                               |                                   | USA               | IMMGN9525A     |

### Pedigree

|                      |            |                             |
|----------------------|------------|-----------------------------|
| <b>Sire</b>          | <b>PGS</b> | CURTMAID EMERALD TARGET     |
| B-Y-U FINAL SCORE-ET |            | US000002030882              |
| US000002214963       | <b>PGD</b> | INTERGEN-I SECRET SONATA-ET |
|                      |            | US000013508960              |
| <b>Dam</b>           | <b>MGS</b> | BAYVILLE ETHAN-ET           |
| HY-PINE-DUFF ETHAN   |            | US000002052239              |
| US000015407065       | <b>MGD</b> | CRISLY BLACKSTAR BUFF-105   |
|                      |            | US000014376733              |

|                             |            |           |            |            |             |           |              |            |              |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>101</b> | Daug.      | <b>2275</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>709</b>   |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       | %            | Prot.      | %            |
| <b>45155</b>                |            |           |            | <b>295</b> |             | <b>-9</b> | <b>-0,38</b> | <b>9</b>   | <b>-0,02</b> |
|                             |            |           |            |            |             |           |              | <b>SCS</b> | <b>3,76</b>  |
|                             |            |           |            |            |             |           |              | rank       | 1212.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>67 / 20</b> | Daug. | <b>513</b> | 78,1 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-0,89</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 723.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,35 |    |    |   |    |    |
| Angularity            | 0,33  |    |    |   |    |    |
| Chest Width           | -0,35 |    |    |   |    |    |
| Body Depth            | -0,90 |    |    |   |    |    |
| Rump Angle            | 0,24  |    |    |   |    |    |
| Rear Legs Side View   | 0,83  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | 0,14  |    |    |   |    |    |
| Front Teat Placement  | 0,46  |    |    |   |    |    |
| Teat Length           | -0,91 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | -0,62 |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | -0,35 |    |    |   |    |    |
| Rear Legs Rear View   | 0,10  |    |    |   |    |    |
| Rear Teat Placement   | 0,68  |    |    |   |    |    |
| Locomotion            | -0,41 |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 81,5 | <b>Frame</b> | <b>-0,70</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 79,1 | <b>Dairy Strength</b> | <b>-0,25</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Feet &amp; Legs</b> | <b>-1,62</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,4 | <b>Udder</b> | <b>-0,41</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-14,1</b> |
|--|------------|--------------|

rank 406.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |              |                |
|-------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date   | State Register |
| <b>NATAN CHESAPEAKE</b> | <b>HU003000656183</b> | 25.07.1994   | <b>CAK-001</b> |
| Country of origin       | HU                    | <b>Breed</b> | H100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook     | HA             |
|                         |                       | Paternity    | 18.10.1994     |
|                         |                       | HUN          | 21365/94       |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | WALKWAY CHIEF MARK        |
| BUSHY PARK CHESAPEAKE TWIN |            | US000001773417            |
| US000002055652             | <b>PGD</b> | TERRA-VIEW ROTATE STARLET |
|                            |            | US000011279512            |
| <b>Dam</b>                 | <b>MGS</b> | GERLA JASON               |
| DEL                        |            | HU000000011415            |
| HU000601006413             | <b>MGD</b> | DEL                       |
|                            |            | HU000601004807            |

|                             |            |           |    |       |     |      |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 25 | Daug. | 478 | Rel. | 98 % | <b>SPI</b> | 1474        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %           |
| <b>10613</b>                |            |           |    | 434   | 18  | 0,01 | 6    | -0,16      | <b>SCS</b>  |
|                             |            |           |    |       |     |      |      |            | rank        |
|                             |            |           |    |       |     |      |      |            | 157.        |
|                             |            |           |    |       |     |      |      |            | <b>rank</b> |
|                             |            |           |    |       |     |      |      |            | 146.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 5 | Daug. | 26 | 77,2 | Rel. | 76 % | <b>TYPE</b> | -0,90 |
|                  |             |       |       |       |    |      |      |      | rank        | 724.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,69 |    |    |   |    |    |
| Angularity            | -0,90 |    |    |   |    |    |
| Chest Width           | 0,85  |    |    |   |    |    |
| Body Depth            | 0,46  |    |    |   |    |    |
| Rump Angle            | 0,42  |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | 0,21  |    |    |   |    |    |
| Fore Udder Attachment | -0,79 |    |    |   |    |    |
| Front Teat Placement  | -0,78 |    |    |   |    |    |
| Teat Length           | -0,30 |    |    |   |    |    |
| Rear Udder Height     | -0,97 |    |    |   |    |    |
| Rear Udder Width      | -0,25 |    |    |   |    |    |
| Central Ligament      | 0,49  |    |    |   |    |    |
| Udder Depth           | -1,40 |    |    |   |    |    |
| Rump Width            | 0,28  |    |    |   |    |    |
| Rear Legs Rear View   | -0,49 |    |    |   |    |    |
| Rear Teat Placement   | -0,65 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,33  |    |    |   |    |    |

daught. average

80,7 **Frame** -0,22

76,5 **Dairy Strength** -1,04

77,9 **Feet & Legs** 0,30

75,6 **Udder** -1,21

**SHI** 8,6

rank 343.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BLUES-ET</b>   | <b>DE001015211474</b>             | <b>08.01.1992</b> | <b>BS-001</b>         |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 24.08.1992            |
|                   |                                   | DEU               | 92/10024              |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
| <b>Dam</b>          | <b>MGS</b> | ARLINDA CINAMENT-ET      |
| BIRTE               |            | US000001785943           |
| DE001015074807      | <b>MGD</b> | BIRGIT                   |
|                     |            | DE001004515471           |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>98</b> | Daug.       | <b>756</b> | Rel.        | <b>99 %</b> | <b>SPI</b> | <b>-3052</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat         |             | rank       | 1086.        |
| <b>14268</b>                |            |           |           | <b>-695</b> | <b>-26</b> | <b>0,01</b> | <b>-22</b>  | <b>SCS</b> | <b>3,39</b>  |
|                             |            |           |           |             |            |             |             | rank       | 1019.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>30</b> | 76,2 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-0,91</b> |
|                  |             |       |              |       |           |      |      | rank        | 725.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,29 |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,63  |    |    |   |    |    |
| Body Depth            | 0,67  |    |    |   |    |    |
| Rump Angle            | -1,12 |    |    |   |    |    |
| Rear Legs Side View   | -0,00 |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | -0,27 |    |    |   |    |    |
| Teat Length           | -0,16 |    |    |   |    |    |
| Rear Udder Height     | -1,01 |    |    |   |    |    |
| Rear Udder Width      | -0,69 |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | 0,02  |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | -0,44 |    |    |   |    |    |
| Rear Teat Placement   | -0,69 |    |    |   |    |    |
| Locomotion            | -0,29 |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,0 | <b>Frame</b>           | <b>0,02</b>   |
| 73,5 | <b>Dairy Strength</b>  | <b>0,21</b>   |
| 76,4 | <b>Feet &amp; Legs</b> | <b>-1,07</b>  |
| 76,4 | <b>Udder</b>           | <b>-1,16</b>  |
|      | <b>SHI</b>             | <b>-128,3</b> |
|      | rank                   | 627.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>NENOX</b>      | <b>SK008395981802</b>      | <b>29.08.1981</b> | <b>NX-091</b>         |
| Country of origin | SK                         | <b>Breed</b>      | H62,5 S25,0           |
| Distributor       | Slovensko                  | Herdbook          | HC                    |
|                   |                            | Paternity         |                       |

### Pedigree

|                        |            |                              |
|------------------------|------------|------------------------------|
| <b>Sire</b>            | <b>PGS</b> | DOWNALANE REFLECTION EMPEROR |
| HIGH POINT EMPEROR,KEN |            | CA000000282293               |
| CA000000329659         | <b>PGD</b> | HIGH POINT KAREN,ALERT       |
| NX-035                 |            | CA000002403365               |
| <b>Dam</b>             | <b>MGS</b> | NEGATIV                      |
| SK000083959802         |            | CZ002775970401               |
|                        | <b>MGD</b> | SK000064535802               |
|                        |            | NGI-003                      |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 71 | Daug. | 880 | Rel. | 99 %  | <b>SPI</b> | -3262      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>13981</b>                |            |           |    | -772  | -28 | 0,02 | -22   | 0,04       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1128.      |
|                             |            |           |    |       |     |      |       |            | 1046.      |

|                  |             |       |       |       |     |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 3 | Daug. | 393 | 73,6 | Rel. | 96 % | <b>TYPE</b> | -0,91 |
|                  |             |       |       |       |     |      |      |      | rank        | 726.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,28 |    |    |   |    |    |
| Angularity            | -0,70 |    |    |   |    |    |
| Chest Width           | -0,03 |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | -0,06 |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | 0,03  |    |    |   |    |    |
| Front Teat Placement  | -0,31 |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | -0,56 |    |    |   |    |    |
| Rear Udder Width      | -0,13 |    |    |   |    |    |
| Central Ligament      | -0,20 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | -0,49 |    |    |   |    |    |
| Rear Legs Rear View   | 0,13  |    |    |   |    |    |
| Rear Teat Placement   | -0,59 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,70  |    |    |   |    |    |

daught. average

74,9 **Frame** -0,43

69,1 **Dairy Strength** -2,02

74,5 **Feet & Legs** 0,46

74,6 **Udder** -0,60

**SHI** -134,7

rank 635.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>RAGUNO-ET</b>  | <b>DE000579837321</b>             | <b>10.01.2003</b> | <b>RUD-007</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.05.2003     |
|                   |                                   | DEU               | 03/36529       |

### Pedigree

|                |            |                      |         |
|----------------|------------|----------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | RUDI                 |         |
| RUBENS         |            | DE000609695599       | RY-001  |
| DE000577182316 | <b>PGD</b> | WS ARKTIS            |         |
|                |            | DE000576424318       |         |
| <b>Dam</b>     | <b>MGS</b> | RON-NAN MARIO-RED-ET |         |
| DALINE-RE 3    |            | US000002244521       | MOR-006 |
| DE000578947350 | <b>MGD</b> | DIVA 99              |         |
|                |            | DE000577716383       |         |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 78  | Rel. | 91 %  | <b>SPI</b> | -858       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1502</b>                 |            |           |    | -263  | -0  | 0,19 | -8    | 0,01       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 614.       |
|                             |            |           |    |       |     |      |       |            | 2,47       |
|                             |            |           |    |       |     |      |       |            | 66.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 15 | 76,9 | Rel. | 57 % | <b>TYPE</b> | -0,91 |
|                  |             |       |       |       |    |      |      |      | rank        | 727.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | 0,23  |    |    |   |    |    |
| Chest Width           | -0,66 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | 0,67  |    |    |   |    |    |
| Rear Legs Side View   | -0,17 |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,11  |    |    |   |    |    |
| Front Teat Placement  | -0,45 |    |    |   |    |    |
| Teat Length           | -0,72 |    |    |   |    |    |
| Rear Udder Height     | -0,30 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,40 |    |    |   |    |    |
| Rear Teat Placement   | 0,57  |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | -0,26 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 78,5 | <b>Frame</b>           | -1,27 |
|                 | 78,3 | <b>Dairy Strength</b>  | -0,18 |
|                 | 77,1 | <b>Feet &amp; Legs</b> | -0,16 |
|                 | 75,2 | <b>Udder</b>           | -0,68 |
|                 |      | <b>SHI</b>             | -62,4 |
|                 |      | rank                   | ...   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>HILBERT</b>    | <b>DE000002191919</b>      | <b>04.12.1983</b> | <b>TEL-002</b>        |
| Country of origin | DE                         | <b>Breed</b>      | R50,0 M50,0           |
| Distributor       | Bio služba s.r.o.          | Herdbook          | HD                    |
|                   |                            | Paternity         | ..                    |

### Pedigree

|                |            |                                |
|----------------|------------|--------------------------------|
| <b>Sire</b>    | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| E-D THOR-RED   |            | US000001629391                 |
| US000000012040 | <b>PGD</b> | E-D THORGY                     |
|                |            | NL000018020853                 |
| <b>Dam</b>     | <b>MGS</b> | ULPT                           |
| DOLINE         |            | DE0000000004737                |
| DE000001337796 | <b>MGD</b> | DOLLI                          |
|                |            | DE000001050457                 |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>114</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-3742</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1225.        |
| <b>2240</b>                 |            |           |           | <b>-937</b> |            | <b>-32</b> | <b>0,07</b> | <b>SCS</b> | <b>3,42</b>  |
|                             |            |           |           |             |            | <b>-24</b> | <b>0,12</b> | rank       | 1040.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 4</b> | Daug. | <b>65</b> | 71,6 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-0,91</b> |
|                  |             |       |              |       |           |      |      | rank        | 728.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,39 |    |    |   |    |    |
| Angularity            | -0,72 |    |    |   |    |    |
| Chest Width           | 0,64  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | 0,00  |    |    |   |    |    |
| Fore Udder Attachment | -0,30 |    |    |   |    |    |
| Front Teat Placement  | 0,20  |    |    |   |    |    |
| Teat Length           | -0,88 |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,91 |    |    |   |    |    |
| Udder Depth           | -0,58 |    |    |   |    |    |
| Rump Width            | 0,82  |    |    |   |    |    |
| Rear Legs Rear View   | -0,02 |    |    |   |    |    |
| Rear Teat Placement   | -0,67 |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | 1,01  |    |    |   |    |    |

daught. average

68,9 **Frame** **-0,89**

68,4 **Dairy Strength** **-0,68**

74,2 **Feet & Legs** **-0,47**

73,3 **Udder** **-0,69**

**SHI** **-149,4**

rank 646.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>RENALDO-ET</b> | <b>LU001090317339</b>             | <b>01.12.1996</b> | <b>RAI-001</b> |
| Country of origin | LU                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 30.10.1997     |
|                   |                                   | NLD               | 201500174      |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | HANOVER-HILL INSPIRATION  |
| HANOVERHILL RENAISSANCE |            | CA000000363162            |
| CA000000401794          |            | IS-003                    |
| IS-009                  | <b>PGD</b> | HANOVERHILL STAR ROYAL ET |
|                         |            | CA0000004323541           |
| <b>Dam</b>              | <b>MGS</b> | GLENAFTON ENHANCER        |
| DUTCHGLEN CARLA-ET RED  |            | CA000000343514            |
| CA0000004198644         | <b>MGD</b> | DUTCHGLEN CHIEFTESS       |
|                         |            | CA0000002718568           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>104</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1897</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 854.         |
| <b>2187</b>                 |            |           |           | <b>-272</b> |            | <b>-21</b> | <b>-0,22</b> | <b>SCS</b> | <b>3,22</b>  |
|                             |            |           |           |             |            | <b>-15</b> | <b>-0,15</b> | rank       | 814.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>13</b> | 75,8 | Rel. | <b>50 %</b> | <b>TYPE</b> | <b>-0,95</b> |
|                  |             |       |              |       |           |      |      | rank        | 729.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,09  |    |    |   |    |    |
| Angularity            | 0,54  |    |    |   |    |    |
| Chest Width           | -0,64 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | 0,43  |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | 0,09  |    |    |   |    |    |
| Fore Udder Attachment | -0,29 |    |    |   |    |    |
| Front Teat Placement  | -0,96 |    |    |   |    |    |
| Teat Length           | -0,55 |    |    |   |    |    |
| Rear Udder Height     | -0,23 |    |    |   |    |    |
| Rear Udder Width      | 0,32  |    |    |   |    |    |
| Central Ligament      | -0,90 |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | -0,77 |    |    |   |    |    |
| Rear Teat Placement   | -0,33 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,15 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,4 | <b>Frame</b>           | <b>-0,36</b> |
| 75,5 | <b>Dairy Strength</b>  | <b>-0,04</b> |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-0,71</b> |
| 74,1 | <b>Udder</b>           | <b>-1,02</b> |
|      | <b>SHI</b>             | <b>-95,0</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                         |                       |                   |                |
|-------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number   | Birth date        | State Register |
| <b>GRANDUC ROCKY-ET</b> | <b>CA000005155937</b> | <b>07.05.1990</b> | <b>JUB-010</b> |
| Country of origin       | CA                    | <b>Breed</b>      | R100           |
| Distributor             | INSEMAS s.r.o.        | Herdbook          | HA             |
|                         |                       | Paternity         | 05.09.1990     |
|                         |                       | CAN               | 227267         |

### Pedigree

|                            |            |                                |
|----------------------------|------------|--------------------------------|
| <b>Sire</b>                | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET      |            | US000001629391                 |
| CA000000376455             | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                            |            | CA000003003616                 |
| <b>Dam</b>                 | <b>MGS</b> | GLENAFTON ENHANCER             |
| DUTCHGLEN CHIEFTESS-ET-RED |            | CA000000343514                 |
| CA0000004247957            | <b>MGD</b> | DUTCHGLEN CHIEFTESS            |
|                            |            | CA000002718568                 |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.       | <b>565</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2720</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1024.        |
| <b>11544</b>                |            |           |           | <b>-765</b> |            | <b>-13</b> | <b>0,34</b> | <b>SCS</b> | <b>3,32</b>  |
|                             |            |           |           |             |            | <b>-20</b> | <b>0,09</b> | rank       | 939.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 8</b> | Daug. | <b>43</b> | 75,5 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-0,95</b> |
|                  |             |       |               |       |           |      |      | rank        | 730.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,59 |    |    |   |    |    |
| Angularity            | -0,75 |    |    |   |    |    |
| Chest Width           | 0,32  |    |    |   |    |    |
| Body Depth            | 0,60  |    |    |   |    |    |
| Rump Angle            | -0,69 |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | -0,14 |    |    |   |    |    |
| Front Teat Placement  | -0,36 |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,02  |    |    |   |    |    |
| Rear Udder Width      | 0,72  |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | -0,54 |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | 0,31  |    |    |   |    |    |
| Rear Teat Placement   | -0,63 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,7 | <b>Frame</b>           | <b>-0,53</b>  |
| 72,1 | <b>Dairy Strength</b>  | <b>-1,26</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-0,91</b>  |
| 75,2 | <b>Udder</b>           | <b>-0,47</b>  |
|      | <b>SHI</b>             | <b>-120,2</b> |
|      | rank                   | 622.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>STARKENBORGH MASTER</b> | <b>NL000820245623</b> | <b>28.01.1993</b> | <b>MAS-013</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 11.05.1994 |
|                   |                                   | CSK          | 4446/01    |

### Pedigree

|                               |            |                             |
|-------------------------------|------------|-----------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY      |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201              |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY    |
| NBY-011                       |            | US000011356580              |
| <b>Dam</b>                    | <b>MGS</b> | RIPVALLEY NA BELL TROY-ET   |
| ETAZON HOCKLEY                |            | US000001882797              |
| NL000459240404                | <b>MGD</b> | PHEASANTS-PRIDE BELL,TRACIE |
|                               |            | US000011614497              |

|                             |            |           |           |           |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|-----------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>59</b> | Daug.     | <b>836</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>378</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |            | Fat      | %            | rank       | 353.        |
| <b>16836</b>                |            |           |           | <b>97</b> |            | <b>3</b> | <b>-0,03</b> | <b>SCS</b> | <b>3,31</b> |
|                             |            |           |           |           |            |          |              | rank       | 935.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>35 / 7</b> | Daug. | <b>262</b> | 77,3 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-0,96</b> |
|                  |             |       |               |       |            |      |      | rank        | 731.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,41 |    |    |   |    |    |
| Angularity            | -0,32 |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | -0,86 |    |    |   |    |    |
| Rump Angle            | -1,21 |    |    |   |    |    |
| Rear Legs Side View   | -0,48 |    |    |   |    |    |
| Foot Angle            | 0,48  |    |    |   |    |    |
| Fore Udder Attachment | -0,22 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | -0,00 |    |    |   |    |    |
| Rear Udder Height     | -0,58 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,89 |    |    |   |    |    |
| Udder Depth           | 0,10  |    |    |   |    |    |
| Rump Width            | -0,03 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | -0,87 |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,10  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,3 | <b>Frame</b>           | <b>-0,70</b> |
| 77,3 | <b>Dairy Strength</b>  | <b>-1,00</b> |
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,94</b>  |
| 75,7 | <b>Udder</b>           | <b>-1,32</b> |
|      | <b>SHI</b>             | <b>-27,1</b> |
|      | rank                   | 450.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>SH SURANY MICA BARON ET</b> | <b>SK000070477858</b> | <b>08.03.1997</b> | <b>MIC-002</b> |
| Country of origin <b>SK</b>    |                       | <b>Breed</b>      | H100           |
| Distributor                    |                       | Herdbook          | HA             |
|                                |                       | Paternity         |                |

### Pedigree

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA MELWOOD-ET           |
| CMV MICA-ET                 |            | US000001879149               |
| US000002125714              | <b>PGD</b> | BRIARPATCH-R MISTY-ET        |
|                             |            | US000012882374               |
| <b>Dam</b>                  | <b>MGS</b> | OSDEL-ENDEAVOR BOVA CUBBY    |
| PAULO-BRO CUB KANDI,4355-ET |            | US000001986164 <b>BA-002</b> |
| US000015023807              | <b>MGD</b> | GLC BLACKSTAR,KANDACE-ET     |
|                             |            | US000013877453               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>46</b> | Daug.       | <b>114</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-1557</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 779.         |
| <b>2198</b>                 |            |           |           | <b>-288</b> |            | <b>-8</b>  | <b>0,04</b>  | <b>SCS</b> | <b>2,86</b>  |
|                             |            |           |           |             |            | <b>-14</b> | <b>-0,13</b> | rank       | 354.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 10</b> | Daug. | <b>23</b> | 76,4 | Rel. | <b>66 %</b> | <b>TYPE</b> | <b>-0,97</b> |
|                  |             |       |                |       |           |      |      | rank        | 732.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,41 |    |    |   |    |    |
| Angularity            | -0,65 |    |    |   |    |    |
| Chest Width           | 0,72  |    |    |   |    |    |
| Body Depth            | 1,26  |    |    |   |    |    |
| Rump Angle            | 0,45  |    |    |   |    |    |
| Rear Legs Side View   | 0,90  |    |    |   |    |    |
| Foot Angle            | 0,59  |    |    |   |    |    |
| Fore Udder Attachment | -0,82 |    |    |   |    |    |
| Front Teat Placement  | -1,14 |    |    |   |    |    |
| Teat Length           | 1,30  |    |    |   |    |    |
| Rear Udder Height     | -0,61 |    |    |   |    |    |
| Rear Udder Width      | -0,44 |    |    |   |    |    |
| Central Ligament      | -0,96 |    |    |   |    |    |
| Udder Depth           | -1,22 |    |    |   |    |    |
| Rump Width            | 0,24  |    |    |   |    |    |
| Rear Legs Rear View   | 0,32  |    |    |   |    |    |
| Rear Teat Placement   | -0,83 |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | -0,29 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,2 | <b>Frame</b>           | <b>0,30</b>  |
| 75,8 | <b>Dairy Strength</b>  | <b>0,03</b>  |
| 78,7 | <b>Feet &amp; Legs</b> | <b>1,28</b>  |
| 73,6 | <b>Udder</b>           | <b>-2,27</b> |
|      | <b>SHI</b>             | <b>-85,8</b> |
|      | rank                   | 585.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TIEDE 21</b>   | <b>NL000316803986</b> | <b>10.08.1988</b> | <b>SEC-002</b> |
| Country of origin | NL                    | <b>Breed</b>      | H100           |
| Distributor       | Holstein, Holandsko   | Herdbook          | HA             |
|                   |                       | Paternity         | 02.12.1988     |
|                   |                       | NLD               | 018802281110   |

### Pedigree

|                |            |                               |
|----------------|------------|-------------------------------|
| <b>Sire</b>    | <b>PGS</b> | LOCUST-GLEN IVANHOE ELEVATION |
| THONYMA SECRET |            | US000001644629                |
| US000001856904 | <b>PGD</b> | THONYMA CONDUCTOR SCARLET     |
|                |            | US000010006578                |
| <b>Dam</b>     | <b>MGS</b> | WHITTIER-FARMS NED BOY        |
| TINE 147       |            | US000001806201                |
| NL000314051103 | <b>MGD</b> | TINE 115                      |
|                |            | NL000308796678                |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>65</b> | Daug.       | <b>503</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2051</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 888.         |
| <b>9342</b>                 |            |           |           | <b>-531</b> |            | <b>-13</b> | <b>0,13</b> | <b>SCS</b> | <b>3,18</b>  |
|                             |            |           |           |             |            | <b>-15</b> | <b>0,03</b> | rank       | 770.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>20 / 11</b> | Daug. | <b>67</b> | 76,5 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-0,98</b> |
|                  |             |       |                |       |           |      |      | rank        | 733.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,63 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,13 |    |    |   |    |    |
| Body Depth            | -0,88 |    |    |   |    |    |
| Rump Angle            | -0,82 |    |    |   |    |    |
| Rear Legs Side View   | 0,79  |    |    |   |    |    |
| Foot Angle            | -0,62 |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | 0,70  |    |    |   |    |    |
| Teat Length           | -1,00 |    |    |   |    |    |
| Rear Udder Height     | -0,58 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 0,27  |    |    |   |    |    |
| Rump Width            | -0,14 |    |    |   |    |    |
| Rear Legs Rear View   | 1,29  |    |    |   |    |    |
| Rear Teat Placement   | 0,21  |    |    |   |    |    |
| Locomotion            | 0,32  |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

77,4 **Frame** **-1,20**

75,1 **Dairy Strength** **-0,69**

77,2 **Feet & Legs** **-0,26**

76,3 **Udder** **-0,39**

**SHI** **-101,1**

rank 606.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                         |                                   |                   |                |
|-------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>        | Registration number               | Birth date        | State Register |
| <b>COGENT FABIAN-ET</b> | <b>GB000000581950</b>             | <b>18.04.1996</b> | <b>CES-008</b> |
| Country of origin       | GB                                | <b>Breed</b>      | H100           |
| Distributor             | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                         |                                   | Paternity         | 20.02.1997     |
|                         |                                   | GBR               | V50973         |

### Pedigree

|                    |            |                               |
|--------------------|------------|-------------------------------|
| <b>Sire</b>        | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET  |
| ETAZON CELSIUS-ET  |            | US000001874634                |
| NL000460508522     | <b>PGD</b> | WEA-LAND BELL ELLA            |
|                    |            | US000012105357                |
| <b>Dam</b>         | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| KOLHORNER FRONA 13 |            | US000002020049                |
| NL000796713832     | <b>MGD</b> | KOLHORNER ETAZON FRONA        |
|                    |            | NL000413315913                |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 12 | Daug. | 47  | Rel.  | 86 %  | <b>SPI</b> | 800        |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| <b>903</b>                  |            |           |    | 217   | -3  | -0,21 | 9     | 0,04       | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 1045.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 5 | Daug. | 28 | 77,8 | Rel. | 69 % | <b>TYPE</b> | -0,98 |
|                  |             |       |       |       |    |      |      |      | rank        | 734.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,56 |    |    |   |    |    |
| Angularity            | 1,13  |    |    |   |    |    |
| Chest Width           | -1,29 |    |    |   |    |    |
| Body Depth            | -0,85 |    |    |   |    |    |
| Rump Angle            | -0,41 |    |    |   |    |    |
| Rear Legs Side View   | 1,02  |    |    |   |    |    |
| Foot Angle            | -0,37 |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | -0,33 |    |    |   |    |    |
| Teat Length           | 0,91  |    |    |   |    |    |
| Rear Udder Height     | -0,32 |    |    |   |    |    |
| Rear Udder Width      | 0,47  |    |    |   |    |    |
| Central Ligament      | -0,41 |    |    |   |    |    |
| Udder Depth           | -0,85 |    |    |   |    |    |
| Rump Width            | -0,83 |    |    |   |    |    |
| Rear Legs Rear View   | 0,27  |    |    |   |    |    |
| Rear Teat Placement   | 0,06  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,74 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,3 | <b>Frame</b>           | -1,66 |
| 79,4 | <b>Dairy Strength</b>  | 0,36  |
| 77,8 | <b>Feet &amp; Legs</b> | -0,45 |
| 76,7 | <b>Udder</b>           | -0,27 |
|      | <b>SHI</b>             | -15,3 |
|      | rank                   | 416.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>BENNER AEROWOOD-ET</b> | <b>CA000006682654</b> | <b>05.08.1996</b> | <b>BW-017</b>  |
| Country of origin         | CA                    | <b>Breed</b>      | H100           |
| Distributor               | INSEMAS s.r.o.        | Herdbook          | HA             |
|                           |                       | Paternity         | 21.05.1997     |
|                           |                       | CAN               | BT395206       |

### Pedigree

|                        |            |                        |
|------------------------|------------|------------------------|
| <b>Sire</b>            | <b>PGS</b> | ARLINDA MELWOOD-ET     |
| MAIZEFIELD BELLWOOD-ET |            | US000001879149         |
| US000002103297         | <b>PGD</b> | BREN-WAY BELL BETSY    |
| MEW-004                |            | US000012052401         |
| <b>Dam</b>             | <b>MGS</b> | MADAWASKA AEROSTAR     |
| LEXOUS AEROSTAR RIA-ET |            | CA000000383622         |
| CA000005557303         | <b>MGD</b> | LEHOUX CHIEF MARK RUBY |
|                        |            | CA000004317145         |

|                             |            |           |           |            |             |           |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>62</b> | Daug.      | <b>1145</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>1757</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |             | Fat       |              | rank       | 128.        |
| <b>22600</b>                |            |           |           | <b>611</b> |             | <b>13</b> | <b>-0,19</b> | <b>SCS</b> | <b>2,99</b> |
|                             |            |           |           |            |             | <b>9</b>  | <b>-0,21</b> | rank       | 519.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 11</b> | Daug. | <b>133</b> | 77,8 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-1,01</b> |
|                  |             |       |                |       |            |      |      | rank        | 735.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,40  |    |    |   |    |    |
| Angularity            | 0,14  |    |    |   |    |    |
| Chest Width           | -1,17 |    |    |   |    |    |
| Body Depth            | -0,56 |    |    |   |    |    |
| Rump Angle            | 1,53  |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,67 |    |    |   |    |    |
| Teat Length           | 0,46  |    |    |   |    |    |
| Rear Udder Height     | 0,55  |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | -0,07 |    |    |   |    |    |
| Udder Depth           | -0,31 |    |    |   |    |    |
| Rump Width            | -0,88 |    |    |   |    |    |
| Rear Legs Rear View   | -1,00 |    |    |   |    |    |
| Rear Teat Placement   | -0,63 |    |    |   |    |    |
| Locomotion            | -0,46 |    |    |   |    |    |
| Body Condition        | -0,45 |    |    |   |    |    |

daught. average

80,0 **Frame** **-0,41**

77,8 **Dairy Strength** **-1,05**

77,9 **Feet & Legs** **-1,38**

76,8 **Udder** **-0,34**

**SHI** **12,8**

rank 324.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>LAMERO</b>     | <b>DE000579291935</b>             | <b>30.03.2001</b> | <b>LU-021</b>         |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 29.05.2001            |
|                   |                                   | DEU               | 01/6918               |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | NORRIELAKE CLEITUS LUKE-TWIN |
| LADIN          |            | US000002071864               |
| DE000102650777 | <b>PGD</b> | SIERRA                       |
|                |            | DE000108319562               |
| <b>Dam</b>     | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE    |
| BARONES 37     |            | US000001964484               |
| DE000576534102 | <b>MGD</b> | BAHAMA TL                    |
|                |            | DE000505999997               |

|                             |            |           |    |           |    |           |              |            |             |
|-----------------------------|------------|-----------|----|-----------|----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug.     | 72 | Rel.      | 90 %         | <b>SPI</b> | -218        |
| Number controls             |            | <b>BV</b> |    | Milk      |    | Fat       | %            | rank       | 469.        |
| <b>1362</b>                 |            |           |    | <b>44</b> |    | <b>-2</b> | <b>-0,07</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |    |           |    | <b>-4</b> | <b>-0,12</b> | rank       | 646.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 7 | Daug. | 20 | 77,3 | Rel. | 60 % | <b>TYPE</b> | -1,01 |
|                  |             |       |       |       |    |      |      | rank | 736.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,78  |    |    |   |    |    |
| Angularity            | -0,58 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | -0,60 |    |    |   |    |    |
| Rump Angle            | 0,61  |    |    |   |    |    |
| Rear Legs Side View   | 0,20  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | -0,30 |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | -0,66 |    |    |   |    |    |
| Rear Udder Width      | -0,82 |    |    |   |    |    |
| Central Ligament      | -0,08 |    |    |   |    |    |
| Udder Depth           | -0,94 |    |    |   |    |    |
| Rump Width            | 0,18  |    |    |   |    |    |
| Rear Legs Rear View   | -1,08 |    |    |   |    |    |
| Rear Teat Placement   | -0,14 |    |    |   |    |    |
| Locomotion            | -0,59 |    |    |   |    |    |
| Body Condition        | -0,27 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 82,0 | <b>Frame</b>           | <b>0,77</b>  |
| 77,0 | <b>Dairy Strength</b>  | <b>-1,46</b> |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-1,16</b> |
| 75,6 | <b>Udder</b>           | <b>-0,74</b> |
|      | <b>SHI</b>             | <b>-46,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>RIOSTAR</b>   | <b>FR005632083240</b> | <b>17.07.2000</b> | <b>BES-007</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 09.01.2001 |
|                   |                                   | FR           | 790115     |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | BESNE-BUCK     |
| JOCKO BESN     |            | FR004486041658 |
| FR005694028588 | <b>PGD</b> | GAIA           |
|                |            | FR005691017484 |
| <b>Dam</b>     | <b>MGS</b> | GIBBON         |
| OSEILLE        |            | FR002991000305 |
| FR005698001917 | <b>MGD</b> | HERITIÈRE      |
|                |            | FR005692029781 |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.      | <b>498</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>1568</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 147.        |
| <b>7733</b>                 |            |           |           | <b>299</b> |            | <b>14</b> | <b>0,03</b> | <b>SCS</b> | <b>2,75</b> |
|                             |            |           |           |            |            | <b>12</b> | <b>0,05</b> | rank       | 231.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>37 / 15</b> | Daug. | <b>186</b> | 77,8 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-1,02</b> |
|                  |             |       |                |       |            |      |      | rank        | 737.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,13 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,89 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -0,93 |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | 0,16  |    |    |   |    |    |
| Front Teat Placement  | 0,70  |    |    |   |    |    |
| Teat Length           | -0,11 |    |    |   |    |    |
| Rear Udder Height     | 0,27  |    |    |   |    |    |
| Rear Udder Width      | 0,18  |    |    |   |    |    |
| Central Ligament      | -0,20 |    |    |   |    |    |
| Udder Depth           | 0,24  |    |    |   |    |    |
| Rump Width            | -0,94 |    |    |   |    |    |
| Rear Legs Rear View   | -0,99 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,55 |    |    |   |    |    |
| Body Condition        | -0,64 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 80,4 | <b>Frame</b> | <b>-1,20</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 78,0 | <b>Dairy Strength</b> | <b>-1,09</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,2 | <b>Feet &amp; Legs</b> | <b>-2,30</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 77,2 | <b>Udder</b> | <b>0,38</b> |
|------|--------------|-------------|

|  |            |            |
|--|------------|------------|
|  | <b>SHI</b> | <b>6,4</b> |
|--|------------|------------|

rank 348.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                       |                   |                |
|------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number   | Birth date        | State Register |
| <b>RICECREST MARSHALL-ET</b> | <b>US000002297473</b> | <b>06.07.1995</b> | <b>MNL-007</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.04.1996 |
|                   |                                   | USA          | IG221445D  |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | EXELS S-W-D EAGLE           |
| LUTZ-MEADOWS E MANDEL-ET    |            | US000001858047              |
| US000002119526              | <b>PGD</b> | LUTZ-MEADOWS MARK MEDLEY-ET |
|                             |            | US000012593031              |
| <b>Dam</b>                  | <b>MGS</b> | SOUTHWIND BELL OF BAR-LEE   |
| RICECREST SOUTHWIND KAYE-ET |            | US000001964484              |
| US000014334791              | <b>MGD</b> | RICECREST NED BOY NOREEN-ET |
|                             |            | US000012806737              |

|                             |            |           |           |            |            |          |              |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>74</b> | Daug.      | <b>828</b> | Rel.     | <b>99 %</b>  | <b>SPI</b> | <b>1153</b> |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat      | %            | rank       | 215.        |
| <b>15528</b>                |            |           |           | <b>323</b> |            | <b>2</b> | <b>-0,19</b> | <b>SCS</b> | <b>3,16</b> |
|                             |            |           |           |            |            |          |              | rank       | 749.        |

|                  |             |       |                 |       |            |      |      |             |             |              |
|------------------|-------------|-------|-----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>101 / 31</b> | Daug. | <b>491</b> | 77,7 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-1,02</b> |
|                  |             |       |                 |       |            |      |      | rank        | 738.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,20 |    |    |   |    |    |
| Angularity            | -0,08 |    |    |   |    |    |
| Chest Width           | -1,05 |    |    |   |    |    |
| Body Depth            | -0,68 |    |    |   |    |    |
| Rump Angle            | -2,04 |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | 0,48  |    |    |   |    |    |
| Front Teat Placement  | -0,40 |    |    |   |    |    |
| Teat Length           | 0,30  |    |    |   |    |    |
| Rear Udder Height     | -0,36 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | -0,13 |    |    |   |    |    |
| Udder Depth           | 0,25  |    |    |   |    |    |
| Rump Width            | -0,96 |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | 0,28  |    |    |   |    |    |
| Locomotion            | 0,32  |    |    |   |    |    |
| Body Condition        | -0,17 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 79,0 | <b>Frame</b> | <b>-1,34</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,8 | <b>Dairy Strength</b> | <b>-1,49</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,4 | <b>Feet &amp; Legs</b> | <b>0,34</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,7 | <b>Udder</b> | <b>-0,37</b> |
|------|--------------|--------------|

|  |            |             |
|--|------------|-------------|
|  | <b>SHI</b> | <b>-6,2</b> |
|--|------------|-------------|

rank 381.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>CAVEMAN RED</b> | <b>DE000576389629</b>             | <b>11.04.1994</b> | <b>CNR-007</b> |
| Country of origin  | DE                                | <b>Breed</b>      | R100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         |                |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | CA-LILL STANDOUT CAVALIER  |
| HOWARD-HOME CAVEMAN-RED |            | US000001620273             |
| US000001842371          | <b>PGD</b> | HOWARD-HOME TRIPLE JAE RED |
| CRR-004                 |            | US000009613867             |
| <b>Dam</b>              | <b>MGS</b> | GLENAFTON ENHANCER         |
| TANJA                   |            | CA000000343514             |
| DE000505527700          | <b>MGD</b> | TASSE 020                  |
|                         |            | DE001009476528             |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>164</b> | Daug.       | <b>1459</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-2058</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 890.         |
| <b>29568</b>                |            |           |            | <b>-478</b> |             | <b>-14</b> | <b>0,07</b>  | <b>SCS</b> | <b>3,24</b>  |
|                             |            |           |            |             |             | <b>-16</b> | <b>-0,02</b> | rank       | 840.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 7</b> | Daug. | <b>17</b> | 76,3 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-1,02</b> |
|                  |             |       |              |       |           |      |      | rank        | 739.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,01 |    |    |   |    |    |
| Angularity            | -0,10 |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | 0,33  |    |    |   |    |    |
| Rump Angle            | 0,34  |    |    |   |    |    |
| Rear Legs Side View   | 0,56  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,42 |    |    |   |    |    |
| Teat Length           | 0,37  |    |    |   |    |    |
| Rear Udder Height     | 0,11  |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | 0,01  |    |    |   |    |    |
| Rump Width            | -0,92 |    |    |   |    |    |
| Rear Legs Rear View   | -0,72 |    |    |   |    |    |
| Rear Teat Placement   | -0,85 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,6 | <b>Frame</b>           | <b>-1,42</b>  |
| 74,6 | <b>Dairy Strength</b>  | <b>-0,06</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-1,64</b>  |
| 77,5 | <b>Udder</b>           | <b>0,03</b>   |
|      | <b>SHI</b>             | <b>-103,0</b> |
|      | rank                   | 608.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                                   |                   |                |
|----------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number               | Birth date        | State Register |
| <b>SFL BOOTPEG SW BELMONT-ET</b> | <b>US000002155633</b>             | <b>10.02.1991</b> | <b>BEL-017</b> |
| Country of origin                | US                                | <b>Breed</b>      | H100           |
| Distributor                      | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                  |                                   | Paternity         | 02.09.1991     |
|                                  |                                   | USA               | IG159796E      |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL      |
| SOUTHWIND BELL OF BAR-LEE |            | US000001667366             |
| US000001964484            | <b>PGD</b> | SOUTHWIND VALIANT NAOMA-ET |
| BEL-001                   |            | US000011489023             |
| <b>Dam</b>                | <b>MGS</b> | WALKWAY CHIEF MARK         |
| PRICES BOOTPEG BESS       |            | US000001773417             |
| US000012787738            | <b>MGD</b> | PRICES VALIANTS BESS-ET    |
|                           |            | US000011810625             |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>59</b> | Daug.       | <b>430</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>108</b>  |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 405.        |
| <b>9234</b>                 |            |           |           | <b>-125</b> |            | <b>10</b> | <b>0,28</b> | <b>SCS</b> | <b>2,98</b> |
|                             |            |           |           |             |            | <b>0</b>  | <b>0,08</b> | rank       | 513.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 15</b> | Daug. | <b>86</b> | 75,7 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>-1,03</b> |
|                  |             |       |                |       |           |      |      | rank        | 740.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,66  |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | -0,17 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | -0,26 |    |    |   |    |    |
| Rear Legs Side View   | 0,53  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,09 |    |    |   |    |    |
| Front Teat Placement  | -0,37 |    |    |   |    |    |
| Teat Length           | 0,08  |    |    |   |    |    |
| Rear Udder Height     | -0,87 |    |    |   |    |    |
| Rear Udder Width      | -1,19 |    |    |   |    |    |
| Central Ligament      | 0,55  |    |    |   |    |    |
| Udder Depth           | 1,02  |    |    |   |    |    |
| Rump Width            | 1,04  |    |    |   |    |    |
| Rear Legs Rear View   | -1,13 |    |    |   |    |    |
| Rear Teat Placement   | 0,24  |    |    |   |    |    |
| Locomotion            | -0,24 |    |    |   |    |    |
| Body Condition        | -0,41 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,6 | <b>Frame</b>           | <b>0,91</b>  |
| 73,8 | <b>Dairy Strength</b>  | <b>-1,06</b> |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-1,33</b> |
| 74,3 | <b>Udder</b>           | <b>-1,54</b> |
|      | <b>SHI</b>             | <b>-38,0</b> |
|      | rank                   | 472.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>PEASEDALE LINGO-ET</b> | <b>US000002113156</b> | <b>17.07.1989</b> | <b>CLE-019</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 15.03.1990 |
|                   |                                   | USA          | IG135682C  |

### Pedigree

|                              |            |                         |
|------------------------------|------------|-------------------------|
| <b>Sire</b>                  | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS    |            | US000001682485          |
| US000001879085               | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                      |            | US000010192628          |
| <b>Dam</b>                   | <b>MGS</b> | WHITTIER-FARMS NED BOY  |
| ROSYLBA NED BOY JETSON LACEY |            | US000001806201          |
| US000012676794               | <b>MGD</b> | ROSYLBA JETSON LUCKY    |
|                              |            | US000011461736          |

|                             |            |           |            |           |             |          |             |            |              |
|-----------------------------|------------|-----------|------------|-----------|-------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>118</b> | Daug.     | <b>1395</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>91</b>    |
| Number controls             |            | <b>BV</b> |            | Milk      |             | Fat      | %           | Prot.      | %            |
| <b>27041</b>                |            |           |            | <b>74</b> |             | <b>6</b> | <b>0,04</b> | <b>-3</b>  | <b>-0,11</b> |
|                             |            |           |            |           |             |          |             | <b>SCS</b> | <b>3,74</b>  |
|                             |            |           |            |           |             |          |             | rank       | 1208.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>56 / 27</b> | Daug. | <b>239</b> | 76,2 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-1,04</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 741.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,77 |    |    |   |    |    |
| Angularity            | 0,19  |    |    |   |    |    |
| Chest Width           | 0,39  |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | -0,36 |    |    |   |    |    |
| Rear Legs Side View   | 1,04  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | -1,12 |    |    |   |    |    |
| Front Teat Placement  | -1,64 |    |    |   |    |    |
| Teat Length           | 0,29  |    |    |   |    |    |
| Rear Udder Height     | -0,74 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,44 |    |    |   |    |    |
| Udder Depth           | -1,81 |    |    |   |    |    |
| Rump Width            | 1,15  |    |    |   |    |    |
| Rear Legs Rear View   | 0,29  |    |    |   |    |    |
| Rear Teat Placement   | -0,19 |    |    |   |    |    |
| Locomotion            | -0,00 |    |    |   |    |    |
| Body Condition        | -0,03 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 78,9 | <b>Frame</b> | <b>-0,28</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 75,8 | <b>Dairy Strength</b> | <b>1,49</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Feet &amp; Legs</b> | <b>-0,96</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 74,9 | <b>Udder</b> | <b>-2,04</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-38,9</b> |
|--|------------|--------------|

rank 478.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>WARSTEINER-ET</b> | <b>DE00000564726</b>              | <b>08.03.2001</b> | <b>CES-005</b> |
| Country of origin    | DE                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 21.05.2001     |
|                      |                                   | DEU               | 01/8653        |

### Pedigree

|                |            |                        |                |
|----------------|------------|------------------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | ETAZON CELSIUS-ET      |                |
| DELTA WEBSTER  |            | NL000460508522         |                |
| NL000159659261 | <b>PGD</b> | ETAZON MAONTRAY-ET     |                |
|                |            | NL000461998375         |                |
| <b>Dam</b>     | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET | <b>MEW-004</b> |
| VENEZUELA      |            | US000002103297         |                |
| DE000102857546 | <b>MGD</b> | TAIGA                  |                |
|                |            | DE000101735803         |                |

|                             |            |           |           |             |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>39</b> | Daug.       | <b>89</b> | Rel.      | <b>91 %</b> | <b>SPI</b> | <b>-264</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |             | rank       | 478.        |
| <b>1570</b>                 |            |           |           | <b>-182</b> |           | <b>9</b>  | <b>0,30</b> | <b>SCS</b> | <b>3,77</b> |
|                             |            |           |           |             |           | <b>-4</b> | <b>0,03</b> | rank       | 1214.       |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 7</b> | Daug. | <b>15</b> | 77,8 | Rel. | <b>55 %</b> | <b>TYPE</b> | <b>-1,04</b> |
|                  |             |       |              |       |           |      |      | rank        | 742.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,46  |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -0,67 |    |    |   |    |    |
| Body Depth            | -1,34 |    |    |   |    |    |
| Rump Angle            | 0,35  |    |    |   |    |    |
| Rear Legs Side View   | 0,78  |    |    |   |    |    |
| Foot Angle            | -0,09 |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | -0,88 |    |    |   |    |    |
| Teat Length           | -0,63 |    |    |   |    |    |
| Rear Udder Height     | -0,36 |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | -0,75 |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,12 |    |    |   |    |    |
| Rear Teat Placement   | -0,02 |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | -0,34 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 81,5 | <b>Frame</b>           | <b>-0,04</b> |
| 76,8 | <b>Dairy Strength</b>  | <b>-1,50</b> |
| 78,3 | <b>Feet &amp; Legs</b> | <b>0,02</b>  |
| 76,3 | <b>Udder</b>           | <b>-1,01</b> |
|      | <b>SHI</b>             | <b>-49,7</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |  |                   |                       |
|--------------------------|--|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>               | <b>Birth date</b> | <b>State Register</b> |
| <b>JORO-ET</b>           | <b>DE001402401506</b>                    | <b>21.07.2004</b> | <b>JRD-002</b>        |
| <b>Country of origin</b> | <b>DE</b>                                | <b>Breed</b>      | <b>R100</b>           |
| <b>Distributor</b>       | <b>SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s.</b> | <b>Herdbook</b>   | <b>HA</b>             |
|                          |  | <b>Paternity</b>  | <b>02.08.2004</b>     |
|                          |  | <b>DE</b>         | <b>04/3318</b>        |

### Pedigree

|                      |            |                           |
|----------------------|------------|---------------------------|
| <b>Sire</b>          | <b>PGS</b> | MERCY PRIDEAUX-ET         |
| JA-BOB JORDAN-RED-ET |            | US000002135113            |
| US000017378279       | <b>PGD</b> | OHIANA MOM HANMAID-RED-ET |
|                      |            | US000015318707            |
| <b>Dam</b>           | <b>MGS</b> | STBVQ RUBENS-ET           |
| IZE ROUL 01          |            | CA000005844883            |
| FR005232470991       | <b>MGD</b> | GALA ROUGE                |
|                      |            | FR000891010301            |

|                             |                   |              |            |              |              |              |             |             |              |
|-----------------------------|-------------------|--------------|------------|--------------|--------------|--------------|-------------|-------------|--------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | <b>Herds</b> | <b>36</b>  | <b>Daug.</b> | <b>150</b>   | <b>Rel.</b>  | <b>95 %</b> | <b>SPI</b>  | <b>-1121</b> |
| <b>Number controls</b>      | <b>BV</b>         | <b>Milk</b>  | <b>Fat</b> | <b>%</b>     | <b>Prot.</b> | <b>%</b>     | <b>rank</b> | <b>680.</b> |              |
| <b>3185</b>                 |                   | <b>-311</b>  | <b>-3</b>  | <b>0,17</b>  | <b>-1</b>    | <b>-0,00</b> | <b>SCS</b>  | <b>3,21</b> | <b>rank</b>  |
|                             |                   |              |            |              |              |              | <b>rank</b> | <b>800.</b> |              |

|                  |                    |              |               |              |           |             |             |             |             |              |
|------------------|--------------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | <b>Herds</b> | <b>15 / 8</b> | <b>Daug.</b> | <b>61</b> | <b>77,9</b> | <b>Rel.</b> | <b>81 %</b> | <b>TYPE</b> | <b>-1,05</b> |
|                  |                    |              |               |              |           |             | <b>rank</b> | <b>743.</b> |             |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,38 |    |    |   |    |    |
| Angularity            | -0,81 |    |    |   |    |    |
| Chest Width           | 0,00  |    |    |   |    |    |
| Body Depth            | 0,04  |    |    |   |    |    |
| Rump Angle            | 1,02  |    |    |   |    |    |
| Rear Legs Side View   | 0,31  |    |    |   |    |    |
| Foot Angle            | -0,34 |    |    |   |    |    |
| Fore Udder Attachment | 0,60  |    |    |   |    |    |
| Front Teat Placement  | 0,53  |    |    |   |    |    |
| Teat Length           | -1,11 |    |    |   |    |    |
| Rear Udder Height     | 0,17  |    |    |   |    |    |
| Rear Udder Width      | -0,48 |    |    |   |    |    |
| Central Ligament      | -0,65 |    |    |   |    |    |
| Udder Depth           | 1,14  |    |    |   |    |    |
| Rump Width            | 0,18  |    |    |   |    |    |
| Rear Legs Rear View   | -0,58 |    |    |   |    |    |
| Rear Teat Placement   | -0,20 |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | 0,52  |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>82,1</b> | <b>Frame</b>           | <b>-0,39</b> |
| <b>77,9</b> | <b>Dairy Strength</b>  | <b>-1,82</b> |
| <b>78,4</b> | <b>Feet &amp; Legs</b> | <b>-1,34</b> |
| <b>75,6</b> | <b>Udder</b>           | <b>-0,25</b> |
|             | <b>SHI</b>             | <b>-75,7</b> |
|             | <b>rank</b>            | <b>566.</b>  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>GRUBBER</b>   | <b>DE00000564048</b>       | <b>23.11.1999</b> | <b>GEP-003</b>        |

|                          |                                   |                  |            |
|--------------------------|-----------------------------------|------------------|------------|
| <b>Country of origin</b> | DE                                | <b>Breed</b>     | H100       |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>  | HA         |
|                          |                                   | <b>Paternity</b> | 21.01.2000 |
|                          |                                   | <b>DEU</b>       | 00/1322    |

### Pedigree

|                           |                |                            |
|---------------------------|----------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b>     | TESK-HOLM VALIANT ROCKIE   |
| BEACHLAWN GELPRO TOBEY-ET | US000001841366 | VAL-016                    |
| US000002182343            | <b>PGD</b>     | BEACHLAWN BELL CLEITUS PRO |
|                           | US000013450817 |                            |
| <b>Dam</b>                | <b>MGS</b>     | EMERALD-ACRES-SA TONIC-ET  |
| UMWELT 4                  | US000002074727 | CLE-011                    |
| DE000102801535            | <b>MGD</b>     | PERLENE                    |
|                           | DE000107826623 |                            |

|                             |            |              |           |              |           |             |              |              |              |
|-----------------------------|------------|--------------|-----------|--------------|-----------|-------------|--------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>40</b> | <b>Daug.</b> | <b>82</b> | <b>Rel.</b> | <b>92 %</b>  | <b>SPI</b>   | <b>267</b>   |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |           | <b>Fat</b>  | <b>%</b>     | <b>Prot.</b> | <b>%</b>     |
| <b>1798</b>                 |            |              |           | <b>90</b>    |           | <b>1</b>    | <b>-0,06</b> | <b>2</b>     | <b>-0,02</b> |
|                             |            |              |           |              |           |             |              | <b>SCS</b>   | <b>3,47</b>  |
|                             |            |              |           |              |           |             |              | rank         | 1086.        |

|                  |             |              |               |              |           |             |             |             |             |              |
|------------------|-------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>10 / 6</b> | <b>Daug.</b> | <b>15</b> | <b>76,7</b> | <b>Rel.</b> | <b>54 %</b> | <b>TYPE</b> | <b>-1,06</b> |
|                  |             |              |               |              |           |             |             |             | rank        | 744.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,49 |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -1,40 |    |    |   |    |    |
| Body Depth            | -1,04 |    |    |   |    |    |
| Rump Angle            | 0,53  |    |    |   |    |    |
| Rear Legs Side View   | 0,45  |    |    |   |    |    |
| Foot Angle            | -0,71 |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | -0,67 |    |    |   |    |    |
| Teat Length           | 0,10  |    |    |   |    |    |
| Rear Udder Height     | 0,30  |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | 0,15  |    |    |   |    |    |
| Udder Depth           | 0,15  |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | -0,73 |    |    |   |    |    |
| Rear Teat Placement   | 0,37  |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | -0,87 |    |    |   |    |    |

|                 |      |                        |              |
|-----------------|------|------------------------|--------------|
| daught. average | 77,2 | <b>Frame</b>           | <b>-1,64</b> |
|                 | 76,3 | <b>Dairy Strength</b>  | <b>-0,56</b> |
|                 | 76,7 | <b>Feet &amp; Legs</b> | <b>-1,32</b> |
|                 | 76,8 | <b>Udder</b>           | <b>0,15</b>  |
|                 |      | <b>SHI</b>             | <b>-34,2</b> |
|                 |      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>SELLCREST JON DONNIE RED</b> | <b>US000002042662</b> | <b>21.04.1987</b> | <b>JOR-001</b> |
| Country of origin <b>US</b>     |                       | <b>Breed</b>      | <b>R100</b>    |
| Distributor                     |                       | Herdbook          | <b>HA</b>      |
|                                 |                       | Paternity         |                |

### Pedigree

|                              |            |                                |
|------------------------------|------------|--------------------------------|
| <b>Sire</b>                  | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| NEEDLE-LANE JON-RED          |            | US000001629391                 |
| US000001802072               | <b>PGD</b> | LOBUR JOHANNA APRIL            |
|                              |            | US000008638136                 |
| <b>Dam</b>                   | <b>MGS</b> | STANHOPE CANNONADE             |
| SELLCREST CANNONADE DONNA-ET |            | CA000000337679                 |
| US0000011695210              | <b>MGD</b> | RIDGES-WOOD ROBARON DOLL-RED   |
|                              |            | US000008362927                 |

|                             |            |                 |                  |                  |            |              |
|-----------------------------|------------|-----------------|------------------|------------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds <b>91</b> | Daug. <b>942</b> | Rel. <b>99 %</b> | <b>SPI</b> | <b>-3380</b> |
| Number controls             | <b>BV</b>  | Milk            | Fat              | %                | Prot.      | %            |
| <b>19907</b>                |            | <b>-807</b>     | <b>-24</b>       | <b>0,14</b>      | <b>-25</b> | <b>-0,01</b> |
|                             |            |                 |                  |                  | <b>SCS</b> | <b>3,02</b>  |
|                             |            |                 |                  |                  | rank       | 1157.        |
|                             |            |                 |                  |                  | rank       | 571.         |

|                  |             |                    |                  |             |                  |             |              |
|------------------|-------------|--------------------|------------------|-------------|------------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds <b>7 / 6</b> | Daug. <b>126</b> | <b>73,7</b> | Rel. <b>88 %</b> | <b>TYPE</b> | <b>-1,07</b> |
|                  |             |                    |                  |             |                  | rank        | 745.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,13 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | -0,25 |    |    |   |    |    |
| Body Depth            | -0,04 |    |    |   |    |    |
| Rump Angle            | -0,32 |    |    |   |    |    |
| Rear Legs Side View   | -0,80 |    |    |   |    |    |
| Foot Angle            | -0,57 |    |    |   |    |    |
| Fore Udder Attachment | -0,18 |    |    |   |    |    |
| Front Teat Placement  | -0,92 |    |    |   |    |    |
| Teat Length           | 0,81  |    |    |   |    |    |
| Rear Udder Height     | -0,31 |    |    |   |    |    |
| Rear Udder Width      | -0,23 |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | -0,27 |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | 0,45  |    |    |   |    |    |
| Rear Teat Placement   | -0,87 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,50  |    |    |   |    |    |

daught. average

**72,6** **Frame** **-1,55**

**70,2** **Dairy Strength** **-0,46**

**76,6** **Feet & Legs** **-0,55**

**74,5** **Udder** **-0,63**

**SHI** **-144,6**

rank 643.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>V EXCES</b>    | <b>DK000000242598</b>      | <b>23.01.1999</b> | <b>LUG-002</b>        |
| Country of origin | DK                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 22.06.1999            |
|                   |                            | DNK               | 208615                |

### Pedigree

**Sire** DELTA LUXEMBURG  
NL000776846536

**PGS** PEN SPRING MR C (UGELA BELL)  
US000001920807

**PGD** DELTA SIBERIA-ET  
NL000316418766

**Dam** DK002599500530

**MGS** ROTHROCK TRADITION LEADMAN  
US000001983348 TDN-004

**MGD** DK002599500365

|                             |            |           |   |            |           |             |           |             |            |             |
|-----------------------------|------------|-----------|---|------------|-----------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 7 | Daug.      | 243       | Rel.        | 96 %      | <b>SPI</b>  | 1714       |             |
| Number controls             |            | <b>BV</b> |   | Milk       |           | Fat         | %         | Prot.       | %          |             |
| <b>3956</b>                 |            |           |   | <b>119</b> | <b>19</b> | <b>0,26</b> | <b>16</b> | <b>0,26</b> |            |             |
|                             |            |           |   |            |           |             |           |             | rank       | ...         |
|                             |            |           |   |            |           |             |           |             | <b>SCS</b> | <b>3,01</b> |
|                             |            |           |   |            |           |             |           |             | rank       | ...         |

|                  |             |       |        |       |    |      |      |      |             |       |      |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 3 | Daug. | 93 | 78,8 | Rel. | 86 % | <b>TYPE</b> | -1,07 |      |
|                  |             |       |        |       |    |      |      |      |             | rank  | 746. |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,70 |    |    |   |    |    |
| Angularity            | 0,48  |    |    |   |    |    |
| Chest Width           | -0,60 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | -0,79 |    |    |   |    |    |
| Rear Legs Side View   | -0,82 |    |    |   |    |    |
| Foot Angle            | 0,67  |    |    |   |    |    |
| Fore Udder Attachment | -0,87 |    |    |   |    |    |
| Front Teat Placement  | -0,27 |    |    |   |    |    |
| Teat Length           | 1,17  |    |    |   |    |    |
| Rear Udder Height     | -0,82 |    |    |   |    |    |
| Rear Udder Width      | -0,04 |    |    |   |    |    |
| Central Ligament      | 0,40  |    |    |   |    |    |
| Udder Depth           | -1,34 |    |    |   |    |    |
| Rump Width            | -0,69 |    |    |   |    |    |
| Rear Legs Rear View   | -0,46 |    |    |   |    |    |
| Rear Teat Placement   | 0,28  |    |    |   |    |    |
| Locomotion            | -0,46 |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

81,3 **Frame** -1,18

79,6 **Dairy Strength** 0,47

79,0 **Feet & Legs** 0,59

77,0 **Udder** -1,54

**SHI** 8,9

rank 341.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>SCHILF ET</b>  | <b>DE00000384067</b>              | <b>29.12.1984</b> | <b>SH-005</b>         |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 12.03.1985            |
|                   |                                   | DEU               | 18/1875               |

### Pedigree

|                   |            |                          |
|-------------------|------------|--------------------------|
| <b>Sire</b>       | <b>PGS</b> | PROVIN MTN IVANHOE JEWEL |
| PUGET-SOUND SHEIK |            | US000001393997           |
| CA000000327279    | <b>PGD</b> | PUGET-SOUND FOND SHEILA  |
|                   |            | US000007893959           |
| <b>Dam</b>        | <b>MGS</b> | HAGEMANS TEMPO           |
| RODA              |            | US000001487040           |
| DE001007273640    | <b>MGD</b> | REBE                     |
|                   |            | DE001006184100           |

|                             |            |           |    |             |            |             |            |             |            |
|-----------------------------|------------|-----------|----|-------------|------------|-------------|------------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 57 | Daug.       | 239        | Rel.        | 97 %       | <b>SPI</b>  | -3476      |
| Number controls             |            | <b>BV</b> |    | Milk        |            | Fat         | %          | Prot.       | %          |
| <b>4263</b>                 |            |           |    | <b>-894</b> | <b>-28</b> | <b>0,13</b> | <b>-23</b> | <b>0,12</b> | <b>SCS</b> |
|                             |            |           |    |             |            |             |            |             | rank       |
|                             |            |           |    |             |            |             |            |             | rank       |
|                             |            |           |    |             |            |             |            |             | 1183.      |
|                             |            |           |    |             |            |             |            |             | 1155.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 34 | 74,1 | Rel. | 72 % | <b>TYPE</b> | -1,08 |
|                  |             |       |       |       |    |      |      |      | rank        | 747.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,93 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | -0,61 |    |    |   |    |    |
| Rear Legs Side View   | -0,19 |    |    |   |    |    |
| Foot Angle            | -0,08 |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | -0,14 |    |    |   |    |    |
| Teat Length           | 0,48  |    |    |   |    |    |
| Rear Udder Height     | -0,04 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,03 |    |    |   |    |    |
| Udder Depth           | -0,07 |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,49 |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

70,8 **Frame** -1,21

72,2 **Dairy Strength** 0,31

76,6 **Feet & Legs** -0,63

75,6 **Udder** -0,92

**SHI** -147,9

rank 644.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>ZIRKON</b>     | <b>DE000341916482</b>      | <b>17.04.1997</b> | <b>ZAK-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 23.05.1997            |
|                   |                            | DEU               | 97/7351               |

### Pedigree

|                             |                |                             |
|-----------------------------|----------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b>     | SOUTHWIND BELL OF BAR-LEE   |
| CHANCE SOUTHWIND LB ZACK-ET | US000001964484 | BEL-001                     |
| US000002156938              | <b>PGD</b>     | LIGHT-RIDGE FAIRHIL MARK-EL |
| BEL-012                     | US000012532410 |                             |
| <b>Dam</b>                  | <b>MGS</b>     | BELT                        |
| KARLA 3                     | DE001020475657 |                             |
| DE001021064549              | <b>MGD</b>     | KADJA                       |
|                             | DE001020811327 |                             |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>114</b> | Daug.       | <b>1771</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-783</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |             | rank       | 596.        |
| <b>37750</b>                |            |           |            | <b>-413</b> |             | <b>8</b>  | <b>0,48</b> | <b>SCS</b> | <b>2,94</b> |
|                             |            |           |            |             |             | <b>-7</b> | <b>0,14</b> | rank       | 446.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>38 / 18</b> | Daug. | <b>223</b> | 77,2 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-1,08</b> |
|                  |             |       |                |       |            |      |      | rank        | 748.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,91 |    |    |   |    |    |
| Angularity            | -0,37 |    |    |   |    |    |
| Chest Width           | 0,30  |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | -0,25 |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | -0,64 |    |    |   |    |    |
| Fore Udder Attachment | -0,32 |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -0,33 |    |    |   |    |    |
| Rear Udder Height     | -0,69 |    |    |   |    |    |
| Rear Udder Width      | -0,55 |    |    |   |    |    |
| Central Ligament      | 0,24  |    |    |   |    |    |
| Udder Depth           | -0,94 |    |    |   |    |    |
| Rump Width            | 0,11  |    |    |   |    |    |
| Rear Legs Rear View   | 0,69  |    |    |   |    |    |
| Rear Teat Placement   | -0,28 |    |    |   |    |    |
| Locomotion            | 0,85  |    |    |   |    |    |
| Body Condition        | 0,56  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,1 | <b>Frame</b>           | <b>-0,84</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,49</b> |
| 77,3 | <b>Feet &amp; Legs</b> | <b>0,21</b>  |
| 75,2 | <b>Udder</b>           | <b>-1,40</b> |
|      | <b>SHI</b>             | <b>-66,9</b> |
|      | rank                   | 540.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                       |              |                |
|------------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>                   | Registration number   | Birth date   | State Register |
| <b>MEDZICILIZIE SUNNY BOY SVEN</b> | <b>SK000029415853</b> | 28.11.1995   | <b>SUB-002</b> |
| Country of origin                  | SK                    | <b>Breed</b> | H100           |
| Distributor                        |                       | Herdbook     | HA             |
|                                    |                       | Paternity    |                |

### Pedigree

|                        |            |                      |
|------------------------|------------|----------------------|
| <b>Sire</b>            | <b>PGS</b> | NEHLS CHIEF CRUSADER |
| SKALSUMER SUNNY BOY-ET |            | US000001723121       |
| NL000311651443         | <b>PGD</b> | SKALSUMER PIETJE 175 |
|                        |            | NL000307400576       |
| <b>Dam</b>             | <b>MGS</b> | ETAZON QUEEN         |
| LUCIE 20               |            | NL000789980809       |
| SK000013363813         | <b>MGD</b> | LUCIE 19             |
|                        |            | NL000462710794       |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 35 | Daug. | 115 | Rel. | 94 %  | <b>SPI</b> | -1518      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| 2478                        |            |           |    | -412  | -11 | 0,08 | -1    | 0,06       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 766.       |
|                             |            |           |    |       |     |      |       |            | 936.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 8 | Daug. | 17 | 76,4 | Rel. | 66 % | <b>TYPE</b> | -1,09 |
|                  |             |       |       |       |    |      |      |      | rank        | 749.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,25 |    |    |   |    |    |
| Angularity            | -0,30 |    |    |   |    |    |
| Chest Width           | 0,52  |    |    |   |    |    |
| Body Depth            | 0,46  |    |    |   |    |    |
| Rump Angle            | 0,69  |    |    |   |    |    |
| Rear Legs Side View   | 0,02  |    |    |   |    |    |
| Foot Angle            | -0,74 |    |    |   |    |    |
| Fore Udder Attachment | -0,81 |    |    |   |    |    |
| Front Teat Placement  | -0,57 |    |    |   |    |    |
| Teat Length           | 0,60  |    |    |   |    |    |
| Rear Udder Height     | -0,54 |    |    |   |    |    |
| Rear Udder Width      | -0,20 |    |    |   |    |    |
| Central Ligament      | -0,59 |    |    |   |    |    |
| Udder Depth           | -0,59 |    |    |   |    |    |
| Rump Width            | -0,76 |    |    |   |    |    |
| Rear Legs Rear View   | -0,55 |    |    |   |    |    |
| Rear Teat Placement   | -0,99 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 80,2 | <b>Frame</b>           | -0,08 |
| 72,7 | <b>Dairy Strength</b>  | 0,22  |
| 76,1 | <b>Feet &amp; Legs</b> | -1,48 |
| 76,6 | <b>Udder</b>           | -1,11 |
|      | <b>SHI</b>             | -89,4 |
|      | rank                   | 590.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>BARTOLO</b>    | <b>DE00000392693</b>              | <b>04.12.1989</b> | <b>BEL-011</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 18.04.1991     |
|                   |                                   | DEU               | 91/6096        |

### Pedigree

|                       |            |                       |
|-----------------------|------------|-----------------------|
| <b>Sire</b>           | <b>PGS</b> | PENSTATE IVANHOE STAR |
| CARLIN-M IVANHOE BELL |            | US000001441440        |
| US000001667366        | <b>PGD</b> | B&W HEILO CREAMELLE   |
|                       |            | US000007832117        |
| <b>Dam</b>            | <b>MGS</b> | S-W-D VALIANT         |
| BETTINA 147           |            | US000001650414        |
| DE001008279558        | <b>MGD</b> | BETTY                 |
|                       |            | DE001006211686        |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug. | 136 | Rel. | 95 % | <b>SPI</b> | -1965 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>2378</b>                 |            |           |    | -429  |     | -15  | 0,01 | -15        | -0,04 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,44  |
|                             |            |           |    |       |     |      |      | rank       | 868.  |
|                             |            |           |    |       |     |      |      | rank       | 1061. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 3 | Daug. | 29 | 75,4 | Rel. | 74 % | <b>TYPE</b> | -1,09 |
|                  |             |       |       |       |    |      |      |      | rank        | 750.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | -0,77 |    |    |   |    |    |
| Body Depth            | -0,67 |    |    |   |    |    |
| Rump Angle            | -0,19 |    |    |   |    |    |
| Rear Legs Side View   | 0,26  |    |    |   |    |    |
| Foot Angle            | -0,25 |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | -0,05 |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | -0,54 |    |    |   |    |    |
| Rear Udder Width      | -0,60 |    |    |   |    |    |
| Central Ligament      | 0,11  |    |    |   |    |    |
| Udder Depth           | -0,87 |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | -0,46 |    |    |   |    |    |
| Rear Teat Placement   | -0,32 |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | -0,56 |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 77,8 | <b>Frame</b>           | -1,22  |
| 72,2 | <b>Dairy Strength</b>  | -1,04  |
| 78,0 | <b>Feet &amp; Legs</b> | -0,45  |
| 74,3 | <b>Udder</b>           | -0,44  |
|      | <b>SHI</b>             | -103,0 |
|      | rank                   | 609.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                            |                       |                   |                |
|----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>           | Registration number   | Birth date        | State Register |
| <b>SAMUEL BEEJEE ROYAL</b> | <b>HU003232300063</b> | <b>13.08.1997</b> | <b>SUB-007</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | HU             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 23.06.1998 |
|                   |                | NLD          | 23558/99   |

### Pedigree

|                    |            |                        |
|--------------------|------------|------------------------|
| <b>Sire</b>        | <b>PGS</b> | SKALSUMER SUNNY BOY-ET |
| ZANDENBURGER ROYAL |            | NL000311651443         |
| NL000790545532     | <b>PGD</b> | DELTA FABIOLA-ET       |
|                    |            | NL000315880445         |
| <b>Dam</b>         | <b>MGS</b> | ETAZON CELSIUS-ET      |
| HENDRIKA 443       |            | NL000460508522         |
| NL000147851925     | <b>MGD</b> | HENDRIKA 378           |
|                    |            | NL000783228835         |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>29</b> | Daug.      | <b>428</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>998</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 242.        |
| <b>9248</b>                 |            |           |           | <b>-83</b> |            | <b>14</b> | <b>0,32</b> | <b>SCS</b> | <b>3,03</b> |
|                             |            |           |           |            |            |           |             | rank       | 577.        |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 6</b> | Daug. | <b>157</b> | 77,7 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-1,10</b> |
|                  |             |       |               |       |            |      |      | rank        | 751.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,83 |    |    |   |    |    |
| Angularity            | -0,40 |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | -0,81 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,66  |    |    |   |    |    |
| Foot Angle            | 0,17  |    |    |   |    |    |
| Fore Udder Attachment | 0,28  |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | 0,22  |    |    |   |    |    |
| Rear Udder Height     | 0,19  |    |    |   |    |    |
| Rear Udder Width      | 0,36  |    |    |   |    |    |
| Central Ligament      | -0,79 |    |    |   |    |    |
| Udder Depth           | -0,09 |    |    |   |    |    |
| Rump Width            | -0,06 |    |    |   |    |    |
| Rear Legs Rear View   | 0,77  |    |    |   |    |    |
| Rear Teat Placement   | -0,64 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | -0,14 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 79,7 | <b>Frame</b> | <b>-1,35</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,3 | <b>Dairy Strength</b> | <b>-1,93</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 78,5 | <b>Feet &amp; Legs</b> | <b>0,15</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 76,7 | <b>Udder</b> | <b>-0,11</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-13,8</b> |
|--|------------|--------------|

rank 404.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                      |                       |                   |                |
|--------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                     | Registration number   | Birth date        | State Register |
| <b>SAMORIN BLACKSTAR,SAMBLACK-ET</b> | <b>SK000062901853</b> | <b>30.03.1995</b> | <b>BS-033</b>  |
| Country of origin                    | SK                    | <b>Breed</b>      | H100           |
| Distributor                          | Bio služba s.r.o.     | Herdbook          | HA             |
|                                      |                       | Paternity         | 06.05.1996     |
|                                      |                       | SVK               | 0213/22        |

### Pedigree

|                             |            |                          |
|-----------------------------|------------|--------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET         |            | US000001723741           |
| US000001929410              | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002                     |            | US000009804790           |
| <b>Dam</b>                  | <b>MGS</b> | SWEET-HAVEN TRADITION    |
| DREAMSTREET TRAD CLEODEL-ET |            | US000001682485           |
| US000012046931              | <b>MGD</b> | FAIR-HILL FOND CLAIRE    |
|                             |            | US000008179031           |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>20</b> | Daug.       | <b>84</b> | Rel.       | <b>90 %</b>  | <b>SPI</b> | <b>-3867</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 1244.        |
| <b>1267</b>                 |            |           |           | <b>-853</b> |           | <b>-35</b> | <b>-0,05</b> | <b>SCS</b> | <b>3,36</b>  |
|                             |            |           |           |             |           | <b>-27</b> | <b>-0,02</b> | rank       | 994.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 1</b> | Daug. | <b>13</b> | 75,1 | Rel. | <b>55 %</b> | <b>TYPE</b> | <b>-1,11</b> |
|                  |             |       |              |       |           |      |      | rank        | 752.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,52 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,53 |    |    |   |    |    |
| Body Depth            | -0,52 |    |    |   |    |    |
| Rump Angle            | 0,08  |    |    |   |    |    |
| Rear Legs Side View   | -0,01 |    |    |   |    |    |
| Foot Angle            | -1,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,14 |    |    |   |    |    |
| Front Teat Placement  | 0,53  |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -0,40 |    |    |   |    |    |
| Udder Depth           | 0,05  |    |    |   |    |    |
| Rump Width            | 0,43  |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,00 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 76,2 | <b>Frame</b>           | <b>-1,06</b>  |
| 73,1 | <b>Dairy Strength</b>  | <b>-0,51</b>  |
| 73,2 | <b>Feet &amp; Legs</b> | <b>-1,66</b>  |
| 76,7 | <b>Udder</b>           | <b>0,26</b>   |
|      | <b>SHI</b>             | <b>-161,0</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                    |                       |                   |                |
|--------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number   | Birth date        | State Register |
| <b>ARRAS VALOR</b> | <b>FR004485041462</b> | <b>01.09.1985</b> | <b>VAO-001</b> |
| Country of origin  | FR                    | <b>Breed</b>      | H100           |
| Distributor        |                       | Herdbook          | HA             |
|                    |                       | Paternity         |                |

### Pedigree

|                         |            |                           |
|-------------------------|------------|---------------------------|
| <b>Sire</b>             | <b>PGS</b> | S-W-D VALIANT             |
| SIR C VALOR             |            | US000001650414            |
| US000001811754          | <b>PGD</b> | SKYLINE ELEVATION CYNTHIA |
|                         |            | US000008425907            |
| <b>Dam</b>              | <b>MGS</b> | GLENDELL ARLINDA CHIEF    |
| PARKMONT GLENDELL,JOELL |            | US000001556373            |
| US000009605134          | <b>MGD</b> | PINE-RIDGE PENCOR,JANET   |
|                         |            | US000008621902            |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>190</b> | Daug.       | <b>2639</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3746</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %           | Prot.      | %            |
| <b>48651</b>                |            |           |            | <b>-928</b> |             | <b>-29</b> | <b>0,12</b> | <b>-26</b> | <b>0,07</b>  |
|                             |            |           |            |             |             |            |             | <b>SCS</b> | <b>3,33</b>  |
|                             |            |           |            |             |             |            |             | rank       | 1226.        |
|                             |            |           |            |             |             |            |             | rank       | 951.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 14</b> | Daug. | <b>173</b> | 74,7 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-1,11</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 753.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,62 |    |    |   |    |    |
| Angularity            | -0,33 |    |    |   |    |    |
| Chest Width           | 0,11  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | -0,35 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | -0,86 |    |    |   |    |    |
| Front Teat Placement  | -0,05 |    |    |   |    |    |
| Teat Length           | -0,20 |    |    |   |    |    |
| Rear Udder Height     | -0,79 |    |    |   |    |    |
| Rear Udder Width      | -0,30 |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | 0,35  |    |    |   |    |    |
| Rear Legs Rear View   | -0,04 |    |    |   |    |    |
| Rear Teat Placement   | -0,22 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | -0,16 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,9 | <b>Frame</b>           | <b>-0,44</b>  |
| 72,1 | <b>Dairy Strength</b>  | <b>0,02</b>   |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-0,26</b>  |
| 75,2 | <b>Udder</b>           | <b>-1,33</b>  |
|      | <b>SHI</b>             | <b>-157,4</b> |
|      | rank                   | 653.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>BRITANICUS ET</b> | <b>SK000026025852</b>             | <b>12.08.1989</b> | <b>BNT-011</b> |
| Country of origin    | SK                                | <b>Breed</b>      | N50,0 H37,5    |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HB             |
|                      |                                   | Paternity         | 29.12.1989     |
|                      |                                   | SVK               | 4271/13        |

### Pedigree

|                         |            |                        |
|-------------------------|------------|------------------------|
| <b>Sire</b>             | <b>PGS</b> | LAVENHAM CREATOR       |
| HEROVINA BRITANICUS,128 |            | XX000014354657         |
| NL011502278837          | <b>PGD</b> | HER.BR.WINTER 6        |
| BNT-001                 |            | NL000000227909         |
| <b>Dam</b>              | <b>MGS</b> | CAY CATHERINE ROCKETTE |
| SK000062999822          |            | CA000000317746         |
|                         | <b>MGD</b> | SK000014538822         |
|                         |            | NEC-004                |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 31 | Daug. | 65  | Rel. | 91 %  | <b>SPI</b> | -3102      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1224</b>                 |            |           |    | -766  | -29 | 0,00 | -20   | 0,10       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 455.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 5 | Daug. | 28 | 74,5 | Rel. | 65 % | <b>TYPE</b> | -1,12 |
|                  |             |       |       |       |    |      |      |      | rank        | 754.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,60 |    |    |   |    |    |
| Angularity            | -0,59 |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | -0,01 |    |    |   |    |    |
| Foot Angle            | 0,04  |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | -0,29 |    |    |   |    |    |
| Teat Length           | -0,06 |    |    |   |    |    |
| Rear Udder Height     | -0,21 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | 0,13  |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | -0,05 |    |    |   |    |    |
| Rear Legs Rear View   | 0,04  |    |    |   |    |    |
| Rear Teat Placement   | -0,55 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | 0,72  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 74,2 | <b>Frame</b>           | -0,66  |
| 71,0 | <b>Dairy Strength</b>  | -1,53  |
| 75,6 | <b>Feet &amp; Legs</b> | -0,23  |
| 75,9 | <b>Udder</b>           | -0,75  |
|      | <b>SHI</b>             | -138,3 |
|      | rank                   | 640.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                       |              |                |
|-------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date   | State Register |
| <b>NORBERT</b>    | <b>DE000002033005</b> | 22.08.1981   | <b>HAR-001</b> |
| Country of origin | DE                    | <b>Breed</b> | R75,0 M25,0    |
| Distributor       | Slovensko             | Herdbook     | HC             |
|                   |                       | Paternity    | ...            |

### Pedigree

|                       |            |                                 |
|-----------------------|------------|---------------------------------|
| <b>Sire</b>           | <b>PGS</b> | BOND HAVEN NUGGET               |
| CRESSHAVEN NUGGET RED |            | CA000000300502                  |
| CA000000343364        | <b>PGD</b> | CRESSHAVEN STARLITE THELMA      |
|                       |            | CA000002495736                  |
| <b>Dam</b>            | <b>MGS</b> | BAUMGARTNERS CITAT.FIRESTAR-RED |
| TAUFE                 |            | US000001650943                  |
| DE001001464804        | <b>MGD</b> | TRAUBE                          |
|                       |            | DE001001232129                  |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>96</b> | Daug.       | <b>325</b> | Rel.       | <b>98 %</b> | <b>SPI</b> | <b>-3379</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1155.        |
| <b>4184</b>                 |            |           |           | <b>-923</b> |            | <b>-20</b> | <b>0,33</b> | <b>SCS</b> | <b>3,24</b>  |
|                             |            |           |           |             |            | <b>-24</b> | <b>0,11</b> | rank       | 842.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 3</b> | Daug. | <b>14</b> | 71,6 | Rel. | <b>65 %</b> | <b>TYPE</b> | <b>-1,13</b> |
|                  |             |       |              |       |           |      |      | rank        | 755.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,86 |    |    |   |    |    |
| Angularity            | -0,80 |    |    |   |    |    |
| Chest Width           | 0,86  |    |    |   |    |    |
| Body Depth            | 0,90  |    |    |   |    |    |
| Rump Angle            | -0,14 |    |    |   |    |    |
| Rear Legs Side View   | -0,09 |    |    |   |    |    |
| Foot Angle            | 0,00  |    |    |   |    |    |
| Fore Udder Attachment | -0,71 |    |    |   |    |    |
| Front Teat Placement  | -0,76 |    |    |   |    |    |
| Teat Length           | 0,53  |    |    |   |    |    |
| Rear Udder Height     | -1,10 |    |    |   |    |    |
| Rear Udder Width      | -0,42 |    |    |   |    |    |
| Central Ligament      | -0,43 |    |    |   |    |    |
| Udder Depth           | -0,66 |    |    |   |    |    |
| Rump Width            | 0,23  |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | -0,99 |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | 0,84  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 69,8 | <b>Frame</b>           | <b>-0,25</b>  |
| 67,3 | <b>Dairy Strength</b>  | <b>-0,93</b>  |
| 74,7 | <b>Feet &amp; Legs</b> | <b>0,06</b>   |
| 73,1 | <b>Udder</b>           | <b>-1,76</b>  |
|      | <b>SHI</b>             | <b>-147,0</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>HOL-STIENS OMAR-ET</b> | <b>NL000313213252</b> | <b>14.05.1986</b> | <b>NBY-012</b> |
| Country of origin         | NL                    | <b>Breed</b>      | H100           |
| Distributor               | Holstein, Holandsko   | Herdbook          | HA             |
|                           |                       | Paternity         | ...            |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | CA-LILL STANDOUT CAVALIER |
| WHITTIER-FARMS NED BOY |            | US000001620273            |
| US000001806201         | <b>PGD</b> | MILK-A-LONG SKOKIE DAWN   |
|                        |            | US000009094087            |
| <b>Dam</b>             | <b>MGS</b> | KINGWAY ELEVATION VERY    |
| HOL-STIENS OJ 1377     |            | US000001700553            |
| NL000307995274         | <b>MGD</b> | JAAN 276                  |
|                        |            | NL000302034844            |

|                             |            |           |           |             |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>35</b> | Rel.      | <b>87 %</b> | <b>SPI</b> | <b>-661</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat       |             | rank       | 567.        |
| <b>798</b>                  |            |           |           | <b>-316</b> |           | <b>-4</b> | <b>0,16</b> | <b>SCS</b> | <b>2,93</b> |
|                             |            |           |           |             |           | <b>-2</b> | <b>0,18</b> | rank       | 435.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 6</b> | Daug. | <b>10</b> | 75,9 | Rel. | <b>53 %</b> | <b>TYPE</b> | <b>-1,13</b> |
|                  |             |       |              |       |           |      |      | rank        | 756.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,89 |    |    |   |    |    |
| Angularity            | -0,54 |    |    |   |    |    |
| Chest Width           | -0,14 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | -0,24 |    |    |   |    |    |
| Rear Legs Side View   | -0,51 |    |    |   |    |    |
| Foot Angle            | 0,35  |    |    |   |    |    |
| Fore Udder Attachment | -0,65 |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | 0,46  |    |    |   |    |    |
| Rear Udder Height     | -0,75 |    |    |   |    |    |
| Rear Udder Width      | -0,08 |    |    |   |    |    |
| Central Ligament      | -0,50 |    |    |   |    |    |
| Udder Depth           | -0,97 |    |    |   |    |    |
| Rump Width            | -0,15 |    |    |   |    |    |
| Rear Legs Rear View   | 0,82  |    |    |   |    |    |
| Rear Teat Placement   | 0,14  |    |    |   |    |    |
| Locomotion            | 0,10  |    |    |   |    |    |
| Body Condition        | 0,41  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 74,3 | <b>Frame</b>           | <b>-1,11</b> |
| 73,5 | <b>Dairy Strength</b>  | <b>-0,97</b> |
| 78,1 | <b>Feet &amp; Legs</b> | <b>0,46</b>  |
| 76,9 | <b>Udder</b>           | <b>-1,06</b> |
|      | <b>SHI</b>             | <b>-65,2</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>CLEITUS-ET</b> | <b>DE000021194973</b>             | <b>01.04.1993</b> | <b>CLE-004</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.07.1993     |
|                   |                                   | DEU               | 93/9401        |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS |            | US000001682485          |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                   |            | US000010192628          |
| <b>Dam</b>                | <b>MGS</b> | S-W-D VALIANT           |
| LISA                      |            | US000001650414          |
| DE001020226022            | <b>MGD</b> | LERCHE                  |
|                           |            | DE001007260008          |

|                             |            |           |            |             |            |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>120</b> | Daug.       | <b>843</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1771</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |              | rank       | 824.         |
| <b>16335</b>                |            |           |            | <b>-452</b> |            | <b>-6</b>  | <b>0,21</b>  | <b>SCS</b> | <b>2,60</b>  |
|                             |            |           |            |             |            | <b>-15</b> | <b>-0,03</b> | rank       | 122.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>26 / 17</b> | Daug. | <b>104</b> | 76,3 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-1,14</b> |
|                  |             |       |                |       |            |      |      | rank        | 757.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | 0,28  |    |    |   |    |    |
| Chest Width           | -0,49 |    |    |   |    |    |
| Body Depth            | -0,45 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,03  |    |    |   |    |    |
| Foot Angle            | -0,77 |    |    |   |    |    |
| Fore Udder Attachment | -0,53 |    |    |   |    |    |
| Front Teat Placement  | -0,81 |    |    |   |    |    |
| Teat Length           | 0,76  |    |    |   |    |    |
| Rear Udder Height     | -0,26 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | -0,52 |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | 0,13  |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | 0,06  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,2 | <b>Frame</b>           | <b>-1,06</b> |
| 75,5 | <b>Dairy Strength</b>  | <b>0,22</b>  |
| 76,7 | <b>Feet &amp; Legs</b> | <b>-0,71</b> |
| 75,5 | <b>Udder</b>           | <b>-1,00</b> |
|      | <b>SHI</b>             | <b>-99,1</b> |
|      | rank                   | 603.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>MARKANT</b>    | <b>NL000774750684</b> | <b>05.05.1991</b> | <b>BOG-001</b> |
| Country of origin | NL                    | <b>Breed</b>      | R100           |
| Distributor       | Novaselekt s.r.o.     | Herdbook          | HA             |
|                   |                       | Paternity         | 18.09.1992     |
|                   |                       | NLD               | 774750684      |

### Pedigree

|   |            |   |
|---|------------|---|
| <b>Sire</b>                                   | <b>PGS</b> | BRIDON ASTRO JET-ET<br>CA000000349040     |
| DESLACS BOY GEORGE RED TWIN<br>CA000000381413 | <b>PGD</b> | DESLACS JOHANNA,BERTHE<br>CA0000003379414 |
| <b>Dam</b>                                    | <b>MGS</b> | ADLER<br>DE001004435155                   |
| MAIKE<br>DE001020473411                       | <b>MGD</b> | MYRTHE<br>DE001020180422                  |

ASR-006

|                             |            |           |     |             |      |           |             |            |              |
|-----------------------------|------------|-----------|-----|-------------|------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 177 | Daug.       | 2475 | Rel.      | 99 %        | <b>SPI</b> | -1240        |
| Number controls             |            | <b>BV</b> |     | Milk        |      | Fat       | %           | Prot.      | %            |
| <b>52853</b>                |            |           |     | <b>-303</b> |      | <b>-8</b> | <b>0,05</b> | <b>-9</b>  | <b>-0,00</b> |
|                             |            |           |     |             |      |           |             | <b>SCS</b> | <b>2,79</b>  |
|                             |            |           |     |             |      |           |             | rank       | 701.         |
|                             |            |           |     |             |      |           |             | rank       | 281.         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 12 / 9 | Daug. | 58 | 75,7 | Rel. | 84 % | <b>TYPE</b> | -1,15 |
|                  |             |       |        |       |    |      |      |      | rank        | 758.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,29 |    |    |   |    |    |
| Angularity            | -0,11 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | -0,63 |    |    |   |    |    |
| Rump Angle            | -0,94 |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | 0,45  |    |    |   |    |    |
| Front Teat Placement  | 0,38  |    |    |   |    |    |
| Teat Length           | -0,52 |    |    |   |    |    |
| Rear Udder Height     | -0,16 |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | -0,55 |    |    |   |    |    |
| Udder Depth           | 0,52  |    |    |   |    |    |
| Rump Width            | 0,49  |    |    |   |    |    |
| Rear Legs Rear View   | 0,46  |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | -0,27 |    |    |   |    |    |
| Body Condition        | 0,13  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 75,9 | <b>Frame</b>           | -1,66 |
| 72,3 | <b>Dairy Strength</b>  | -0,89 |
| 77,1 | <b>Feet &amp; Legs</b> | -1,00 |
| 76,5 | <b>Udder</b>           | -0,08 |
|      | <b>SHI</b>             | -83,5 |
|      | rank                   | 580.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                            |                   |                       |
|----------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>     | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOTERMIJN 706</b> | <b>NL000313564516</b>      | <b>16.01.1986</b> | <b>CAD-002</b>        |

|                          |                     |                  |              |
|--------------------------|---------------------|------------------|--------------|
| <b>Country of origin</b> | NL                  | <b>Breed</b>     | H100         |
| <b>Distributor</b>       | Holstein, Holandsko | <b>Herdbook</b>  | HA           |
|                          |                     | <b>Paternity</b> | 27.03.1986   |
|                          |                     | <b>NLD</b>       | 018601740010 |

### Pedigree

|                      |            |                           |
|----------------------|------------|---------------------------|
| <b>Sire</b>          | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF |
| NEHLS CHIEF CRUSADER |            | US000001427381            |
| US000001723121       | <b>PGD</b> | NEHLS HARBORCREST,DEE DEE |
|                      |            | NL000980059944            |
| <b>Dam</b>           | <b>MGS</b> | MOWRY-C CITATION ROCKET   |
| BOTERMIJN 567        |            | US000001537886            |
| NL000309097820       | <b>MGD</b> | BOTERMIJN 481             |
|                      |            | NL000305362320            |

|                             |            |              |    |              |     |             |      |             |       |
|-----------------------------|------------|--------------|----|--------------|-----|-------------|------|-------------|-------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | 27 | <b>Daug.</b> | 171 | <b>Rel.</b> | 95 % | <b>SPI</b>  | -3564 |
| <b>Number controls</b>      |            | <b>BV</b>    |    | <b>Milk</b>  |     | <b>Fat</b>  |      | <b>%</b>    |       |
| 2868                        |            |              |    | -935         |     | -28         |      | 0,17        |       |
|                             |            | <b>Prot.</b> |    |              |     | <b>%</b>    |      | <b>rank</b> | 1198. |
|                             |            |              |    |              |     | -24         |      | <b>SCS</b>  | 3,87  |
|                             |            |              |    |              |     |             |      | <b>rank</b> | 1226. |

|                  |             |              |       |              |    |      |             |             |             |       |
|------------------|-------------|--------------|-------|--------------|----|------|-------------|-------------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | 8 / 6 | <b>Daug.</b> | 30 | 75,7 | <b>Rel.</b> | 67 %        | <b>TYPE</b> | -1,15 |
|                  |             |              |       |              |    |      |             | <b>rank</b> | 759.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,31 |    |    |   |    |    |
| Angularity            | -0,67 |    |    |   |    |    |
| Chest Width           | 0,47  |    |    |   |    |    |
| Body Depth            | 0,25  |    |    |   |    |    |
| Rump Angle            | -0,46 |    |    |   |    |    |
| Rear Legs Side View   | 0,90  |    |    |   |    |    |
| Foot Angle            | 0,33  |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -1,06 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | -1,06 |    |    |   |    |    |
| Rear Udder Width      | -0,85 |    |    |   |    |    |
| Central Ligament      | 0,33  |    |    |   |    |    |
| Udder Depth           | -0,68 |    |    |   |    |    |
| Rump Width            | 0,41  |    |    |   |    |    |
| Rear Legs Rear View   | -0,30 |    |    |   |    |    |
| Rear Teat Placement   | -0,73 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 0,36  |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 79,4 | <b>Frame</b> | <b>0,07</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 72,8 | <b>Dairy Strength</b> | <b>-1,07</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 75,3 | <b>Feet &amp; Legs</b> | <b>-0,98</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 75,7 | <b>Udder</b> | <b>-1,15</b> |
|------|--------------|--------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-153,6</b> |
|--|------------|---------------|

rank 649.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>KOMTY-ET</b>   | <b>DE00011743442</b>              | <b>19.01.1998</b> | <b>KOD-004</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 20.02.1998     |
|                   |                                   | DEU               | 98/2863        |

### Pedigree

|                     |            |                |
|---------------------|------------|----------------|
| <b>Sire</b>         | <b>PGS</b> | KINGLEA LEADER |
| KOMMANDEUR LEADER 1 |            | US000001926780 |
| NL000775157228      | <b>PGD</b> | MINA 648       |
|                     |            | NL000512249355 |
| <b>Dam</b>          | <b>MGS</b> | MARTY RED-ET   |
| UTA                 |            | NL000959580420 |
| DE000108703134      | <b>MGD</b> | DITA           |
|                     |            | DE000102480460 |

|                             |            |           |            |             |             |           |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>106</b> | Daug.       | <b>1504</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-11</b>  |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       | %           | Prot.      | %           |
| <b>30080</b>                |            |           |            | <b>-235</b> |             | <b>11</b> | <b>0,37</b> | <b>0</b>   | <b>0,17</b> |
|                             |            |           |            |             |             |           |             | <b>SCS</b> | <b>3,27</b> |
|                             |            |           |            |             |             |           |             | rank       | 426.        |
|                             |            |           |            |             |             |           |             | rank       | 873.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 15</b> | Daug. | <b>237</b> | 76,8 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-1,15</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 760.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,11 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,43  |    |    |   |    |    |
| Body Depth            | 0,50  |    |    |   |    |    |
| Rump Angle            | 0,60  |    |    |   |    |    |
| Rear Legs Side View   | 0,61  |    |    |   |    |    |
| Foot Angle            | -0,23 |    |    |   |    |    |
| Fore Udder Attachment | -0,57 |    |    |   |    |    |
| Front Teat Placement  | -0,07 |    |    |   |    |    |
| Teat Length           | -0,50 |    |    |   |    |    |
| Rear Udder Height     | -0,22 |    |    |   |    |    |
| Rear Udder Width      | 0,85  |    |    |   |    |    |
| Central Ligament      | -1,58 |    |    |   |    |    |
| Udder Depth           | -2,32 |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | 0,39  |    |    |   |    |    |
| Rear Teat Placement   | -0,82 |    |    |   |    |    |
| Locomotion            | 0,34  |    |    |   |    |    |
| Body Condition        | -0,25 |    |    |   |    |    |

daught. average

78,9 **Frame** **-0,85**

78,1 **Dairy Strength** **0,63**

78,4 **Feet & Legs** **-0,23**

74,2 **Udder** **-2,02**

**SHI** **-46,5**

rank 498.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>STANLEY ET</b> | <b>DE000015211974</b> | <b>04.07.1992</b> | <b>SAD-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                                       |            |   |
|---------------------------------------|------------|---|
| <b>Sire</b>                           | <b>PGS</b> | HANOVERHILL STARBUCK<br>CA000000352790        |
| HANOVERHILL STARDOM<br>CA000000384848 | <b>PGD</b> | HANOVERHILL SHEIK, BARB ET<br>CA0000003742739 |
| <b>Dam</b>                            | <b>MGS</b> | GLENAFTON ENHANCER<br>CA000000343514          |
| MALWINE<br>DE001015133508             | <b>MGD</b> | MECHTHILD<br>DE001015074532                   |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>99</b> | Daug.       | <b>873</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-876</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 621.        |
| <b>17083</b>                |            |           |           | <b>-248</b> |            | <b>2</b>  | <b>0,22</b>  | <b>SCS</b> | <b>3,31</b> |
|                             |            |           |           |             |            | <b>-9</b> | <b>-0,04</b> | rank       | 930.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>22 / 12</b> | Daug. | <b>108</b> | 76,1 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-1,16</b> |
|                  |             |       |                |       |            |      |      | rank        | 761.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,75 |    |    |   |    |    |
| Angularity            | -0,17 |    |    |   |    |    |
| Chest Width           | -0,16 |    |    |   |    |    |
| Body Depth            | 0,09  |    |    |   |    |    |
| Rump Angle            | -0,05 |    |    |   |    |    |
| Rear Legs Side View   | 0,15  |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | -0,22 |    |    |   |    |    |
| Front Teat Placement  | -0,73 |    |    |   |    |    |
| Teat Length           | -0,27 |    |    |   |    |    |
| Rear Udder Height     | 0,06  |    |    |   |    |    |
| Rear Udder Width      | -0,29 |    |    |   |    |    |
| Central Ligament      | 0,47  |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | -0,92 |    |    |   |    |    |
| Rear Legs Rear View   | -0,46 |    |    |   |    |    |
| Rear Teat Placement   | 0,12  |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,1 | <b>Frame</b>           | <b>-1,01</b> |
| 74,5 | <b>Dairy Strength</b>  | <b>-0,30</b> |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-1,76</b> |
| 75,6 | <b>Udder</b>           | <b>-0,47</b> |
|      | <b>SHI</b>             | <b>-72,6</b> |
|      | rank                   | 558.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |              |                |
|----------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date   | State Register |
| <b>BRITANICUS ET</b> | <b>SK000034159852</b>             | 21.02.1990   | <b>BNT-021</b> |
| Country of origin    | SK                                | <b>Breed</b> | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                      |                                   | Paternity    | 20.06.1990     |
|                      |                                   | SVK          | 4305/13        |

### Pedigree

|                         |            |                  |
|-------------------------|------------|------------------|
| <b>Sire</b>             | <b>PGS</b> | LAVENHAM CREATOR |
| HEROVINA BRITANICUS,128 |            | XX000014354657   |
| NL011502278837          | <b>PGD</b> | HER.BR.WINTER 6  |
| BNT-001                 |            | NL000000227909   |
| <b>Dam</b>              | <b>MGS</b> | CHEESEBORO LAD   |
| SK000089313822          |            | CA000000338067   |
|                         | <b>MGD</b> | SK000062758822   |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 83 | Daug. | 263 | Rel. | 97 % | <b>SPI</b> | -3740 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 4994                        |            |           |    | -907  |     | -29  | 0,11 | -26        | 0,05  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,26  |
|                             |            |           |    |       |     |      |      | rank       | 1223. |
|                             |            |           |    |       |     |      |      | rank       | 871.  |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 7 | Daug. | 14 | 75,0 | Rel. | 53 % | <b>TYPE</b> | -1,17 |
|                  |             |       |       |       |    |      |      |      | rank        | 762.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,69 |    |    |   |    |    |
| Angularity            | -0,46 |    |    |   |    |    |
| Chest Width           | -0,00 |    |    |   |    |    |
| Body Depth            | -0,36 |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | -0,20 |    |    |   |    |    |
| Foot Angle            | -0,07 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,39 |    |    |   |    |    |
| Teat Length           | 0,24  |    |    |   |    |    |
| Rear Udder Height     | -0,62 |    |    |   |    |    |
| Rear Udder Width      | -0,64 |    |    |   |    |    |
| Central Ligament      | -0,30 |    |    |   |    |    |
| Udder Depth           | -0,59 |    |    |   |    |    |
| Rump Width            | -0,26 |    |    |   |    |    |
| Rear Legs Rear View   | 0,20  |    |    |   |    |    |
| Rear Teat Placement   | -0,66 |    |    |   |    |    |
| Locomotion            | 0,07  |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 73,9 | <b>Frame</b>           | -0,82  |
| 73,9 | <b>Dairy Strength</b>  | -1,14  |
| 76,3 | <b>Feet &amp; Legs</b> | -0,05  |
| 75,4 | <b>Udder</b>           | -1,19  |
|      | <b>SHI</b>             | -159,6 |
|      | rank                   | ...    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>GRASSHILL RED HOT RED-ET</b> | <b>US000002132754</b> | <b>13.12.1989</b> | <b>JUB-001</b> |
| Country of origin               | US                    | <b>Breed</b>      | R100           |
| Distributor                     |                       | Herdbook          | HA             |
|                                 |                       | Paternity         | 28.05.1990     |
|                                 |                       | USA               | IG 139532B     |

### Pedigree

|                        |            |                                |
|------------------------|------------|--------------------------------|
| <b>Sire</b>            | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET  |            | US000001629391                 |
| CA000000376455         | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                        |            | CA000003003616                 |
| <b>Dam</b>             | <b>MGS</b> | GLENAFTON ENHANCER             |
| GRASSHILL CATHERINE-ET |            | CA000000343514                 |
| CA000004168614         | <b>MGD</b> | GRASSHILL ASTRONAUT CHIEFTESS  |
|                        |            | CA000003178302                 |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug. | 105 | Rel. | 93 % | <b>SPI</b> | -1768 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>2260</b>                 |            |           |    | -487  |     | -7   | 0,22 | -14        | 0,02  |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,72  |
|                             |            |           |    |       |     |      |      | rank       | 1204. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 5 / 2 | Daug. | 14 | 74,6 | Rel. | 54 % | <b>TYPE</b> | -1,17 |
|                  |             |       |       |       |    |      |      |      | rank        | 763.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,67 |    |    |   |    |    |
| Angularity            | -0,85 |    |    |   |    |    |
| Chest Width           | 0,37  |    |    |   |    |    |
| Body Depth            | 0,45  |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | 0,51  |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | -0,41 |    |    |   |    |    |
| Front Teat Placement  | -0,44 |    |    |   |    |    |
| Teat Length           | -0,23 |    |    |   |    |    |
| Rear Udder Height     | -0,54 |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | -0,14 |    |    |   |    |    |
| Udder Depth           | -0,72 |    |    |   |    |    |
| Rump Width            | 0,15  |    |    |   |    |    |
| Rear Legs Rear View   | -0,35 |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,06 |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 73,9 | <b>Frame</b>           | -0,46  |
| 71,1 | <b>Dairy Strength</b>  | -1,37  |
| 74,4 | <b>Feet &amp; Legs</b> | -0,96  |
| 76,9 | <b>Udder</b>           | -0,54  |
|      | <b>SHI</b>             | -100,1 |
|      | rank                   | ...    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>JUBEL</b>      | <b>DE000505893133</b> | <b>05.07.1990</b> | <b>JUB-016</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                       |            |                                |
|-----------------------|------------|--------------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET |            | US000001629391                 |
| CA000000376455        | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                       |            | CA000003003616                 |
| <b>Dam</b>            | <b>MGS</b> | E-D THOR-RED                   |
| ELITE                 |            | US000000012040                 |
| DE000503837619        | <b>MGD</b> | EDITH                          |
|                       |            | DE000503562318                 |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>58</b> | Daug.       | <b>245</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-2129</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 899.         |
| <b>5023</b>                 |            |           |           | <b>-536</b> |            | <b>-12</b> | <b>0,17</b>  | <b>SCS</b> | <b>3,64</b>  |
|                             |            |           |           |             |            | <b>-17</b> | <b>-0,00</b> | rank       | 1173.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 6</b> | Daug. | <b>14</b> | 75,2 | Rel. | <b>67 %</b> | <b>TYPE</b> | <b>-1,17</b> |
|                  |             |       |              |       |           |      |      | rank        | 764.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,13  |    |    |   |    |    |
| Angularity            | -0,91 |    |    |   |    |    |
| Chest Width           | 0,35  |    |    |   |    |    |
| Body Depth            | 0,21  |    |    |   |    |    |
| Rump Angle            | 0,26  |    |    |   |    |    |
| Rear Legs Side View   | 0,07  |    |    |   |    |    |
| Foot Angle            | -0,81 |    |    |   |    |    |
| Fore Udder Attachment | -0,53 |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | -0,82 |    |    |   |    |    |
| Rear Udder Height     | -0,29 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | 0,06  |    |    |   |    |    |
| Udder Depth           | -0,15 |    |    |   |    |    |
| Rump Width            | -0,34 |    |    |   |    |    |
| Rear Legs Rear View   | 0,09  |    |    |   |    |    |
| Rear Teat Placement   | -0,72 |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | 0,64  |    |    |   |    |    |

daught. average

77,6 **Frame** **0,25**

72,1 **Dairy Strength** **-1,58**

74,9 **Feet & Legs** **-1,81**

75,4 **Udder** **-0,99**

**SHI** **-111,1**

rank 617.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>KEYSTONE</b>  | <b>NL000382601457</b> | <b>28.05.2004</b> | <b>KOD-007</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.09.2004 |
|                   |                                   | NL           | 117919     |

### Pedigree

|                |            |                     |
|----------------|------------|---------------------|
| <b>Sire</b>    | <b>PGS</b> | KOMMANDEUR LEADER 1 |
| KONVOY-ET      |            | NL000775157228      |
| DE000577788826 | <b>PGD</b> | ASTRA               |
|                |            | DE001012209974      |
| <b>Dam</b>     | <b>MGS</b> | BEVERLAKE NICK RED  |
| JET 196        |            | NL000789089656      |
| NL000202396187 | <b>MGD</b> | JET 169             |
|                |            | NL000163994943      |

|                             |            |           |    |           |          |             |           |             |            |
|-----------------------------|------------|-----------|----|-----------|----------|-------------|-----------|-------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 21 | Daug.     | 73       | Rel.        | 91 %      | <b>SPI</b>  | 1092       |
| Number controls             |            | <b>BV</b> |    | Milk      | Fat      | %           | Prot.     | %           | rank       |
| <b>1634</b>                 |            |           |    | <b>43</b> | <b>5</b> | <b>0,06</b> | <b>14</b> | <b>0,27</b> | <b>SCS</b> |
|                             |            |           |    |           |          |             |           |             | rank       |
|                             |            |           |    |           |          |             |           |             | 637.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 5 | Daug. | 27 | 77,4 | Rel. | 68 % | <b>TYPE</b> | -1,19 |
|                  |             |       |       |       |    |      |      |      | rank        | 765.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,77 |    |    |   |    |    |
| Angularity            | 0,76  |    |    |   |    |    |
| Chest Width           | -0,42 |    |    |   |    |    |
| Body Depth            | -0,64 |    |    |   |    |    |
| Rump Angle            | 0,90  |    |    |   |    |    |
| Rear Legs Side View   | 1,12  |    |    |   |    |    |
| Foot Angle            | -1,16 |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | -1,20 |    |    |   |    |    |
| Teat Length           | -1,23 |    |    |   |    |    |
| Rear Udder Height     | 0,34  |    |    |   |    |    |
| Rear Udder Width      | 0,95  |    |    |   |    |    |
| Central Ligament      | -0,52 |    |    |   |    |    |
| Udder Depth           | -1,06 |    |    |   |    |    |
| Rump Width            | -0,36 |    |    |   |    |    |
| Rear Legs Rear View   | 0,52  |    |    |   |    |    |
| Rear Teat Placement   | -0,07 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | -0,34 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 78,1 | <b>Frame</b> | <b>-2,26</b> |
|------|--------------|--------------|

|      |                       |             |
|------|-----------------------|-------------|
| 79,5 | <b>Dairy Strength</b> | <b>1,00</b> |
|------|-----------------------|-------------|

|      |                        |              |
|------|------------------------|--------------|
| 75,5 | <b>Feet &amp; Legs</b> | <b>-2,06</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 76,9 | <b>Udder</b> | <b>0,07</b> |
|------|--------------|-------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-14,7</b> |
|--|------------|--------------|

rank 412.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>NERAD</b>      | <b>SK002950280805</b> | <b>03.04.1980</b> | <b>NRA-026</b> |
| Country of origin | SK                    | <b>Breed</b>      | N62,5 S25,0    |
| Distributor       | Slovensko             | Herdbook          | HC             |
|                   |                       | Paternity         |                |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | NERAD NRA-003  |
| NERAD          |            | CZ000004567406 |
| CZ001818871110 | <b>PGD</b> |                |
| NRA-016        |            | XX000018188110 |
| <b>Dam</b>     | <b>MGS</b> | XX000000000000 |
| SK000029502805 | <b>MGD</b> | SK000004373805 |

|                             |            |           |           |             |            |              |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|--------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>16</b> | Daug.       | <b>123</b> | Rel.         | <b>95 %</b> | <b>SPI</b> | <b>-3573</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.        |             | rank       | 1199.        |
| <b>2233</b>                 |            |           |           | <b>-853</b> | <b>-32</b> | <b>-0,01</b> | <b>-23</b>  | <b>SCS</b> | <b>3,44</b>  |
|                             |            |           |           |             |            |              |             | rank       | 1065.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 2</b> | Daug. | <b>73</b> | 73,3 | Rel. | <b>83 %</b> | <b>TYPE</b> | <b>-1,21</b> |
|                  |             |       |              |       |           |      |      | rank        | 766.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | -1,16 |    |    |   |    |    |
| Chest Width           | 0,55  |    |    |   |    |    |
| Body Depth            | 0,07  |    |    |   |    |    |
| Rump Angle            | 0,30  |    |    |   |    |    |
| Rear Legs Side View   | -0,40 |    |    |   |    |    |
| Foot Angle            | 0,07  |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | -0,28 |    |    |   |    |    |
| Teat Length           | 0,46  |    |    |   |    |    |
| Rear Udder Height     | -0,85 |    |    |   |    |    |
| Rear Udder Width      | -0,44 |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | -0,49 |    |    |   |    |    |
| Rump Width            | -0,74 |    |    |   |    |    |
| Rear Legs Rear View   | -0,19 |    |    |   |    |    |
| Rear Teat Placement   | -0,42 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | 0,57  |    |    |   |    |    |

daught. average

74,5 **Frame** **-0,24**

68,3 **Dairy Strength** **-2,46**

74,5 **Feet & Legs** **0,14**

74,4 **Udder** **-1,06**

**SHI** **-156,0**

rank 652.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>RADDISON</b>   | <b>FR002929504174</b>             | <b>23.04.2000</b> | <b>MNA-007</b>        |
| Country of origin | FR                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 05.11.2001            |
|                   |                                   | FRA               | 777512                |

### Pedigree

|                   |                |                           |
|-------------------|----------------|---------------------------|
| <b>Sire</b>       | <b>PGS</b>     | BIS-MAY S-E-L MOUNTAIN-ET |
| ETAZON ADDISON-ET | US000002070579 | RAY-002                   |
| NL000839380546    | <b>PGD</b>     | TIDY-BROOK ELTON STEPH-ET |
|                   | US000014080279 |                           |
| <b>Dam</b>        | <b>MGS</b>     | ETAZON CELSIUS-ET         |
| MAILING           | NL000460508522 |                           |
| FR002996001261    | <b>MGD</b>     | HILARE                    |
|                   | FR002992000778 |                           |

|                             |            |           |    |           |     |           |             |            |             |
|-----------------------------|------------|-----------|----|-----------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 44 | Daug.     | 462 | Rel.      | 98 %        | <b>SPI</b> | 1186        |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat       | %           | Prot.      | %           |
| <b>8417</b>                 |            |           |    | <b>67</b> |     | <b>11</b> | <b>0,14</b> | <b>12</b>  | <b>0,22</b> |
|                             |            |           |    |           |     |           |             | <b>SCS</b> | 3,16        |
|                             |            |           |    |           |     |           |             | rank       | 211.        |
|                             |            |           |    |           |     |           |             | rank       | 740.        |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 41 / 16 | Daug. | 167 | 78,0 | Rel. | 93 % | <b>TYPE</b> | -1,21 |
|                  |             |       |         |       |     |      |      |      | rank        | 767.  |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,86 | [Bar chart] |    |   |    |    |
| Angularity            | 0,03  | [Bar chart] |    |   |    |    |
| Chest Width           | 0,32  | [Bar chart] |    |   |    |    |
| Body Depth            | 0,05  | [Bar chart] |    |   |    |    |
| Rump Angle            | 0,15  | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,41  | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,27 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,60 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,19 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,16  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,11 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | 1,01  | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,54 | [Bar chart] |    |   |    |    |
| Udder Depth           | -2,43 | [Bar chart] |    |   |    |    |
| Rump Width            | 0,18  | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | 0,60  | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | 0,56  | [Bar chart] |    |   |    |    |
| Locomotion            | 0,08  | [Bar chart] |    |   |    |    |
| Body Condition        | 0,15  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 79,6 | <b>Frame</b>           | -1,99 |
| 79,4 | <b>Dairy Strength</b>  | 0,42  |
| 78,0 | <b>Feet &amp; Legs</b> | -0,07 |
| 76,5 | <b>Udder</b>           | -0,94 |
|      | <b>SHI</b>             | -12,6 |
|      | rank                   | 398.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                     |                       |                   |                |
|---------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>    | Registration number   | Birth date        | State Register |
| <b>BLACKSTAR ET</b> | <b>DE000021150514</b> | <b>17.12.1991</b> | <b>BS-002</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 28.09.1992 |
|                   |                                   | DEU          | 92/11050   |

### Pedigree

|                     |            |                          |
|---------------------|------------|--------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET |            | US000001723741           |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY         |
| CHR-002             |            | US000009804790           |
|                     |            | ADM-008                  |
| <b>Dam</b>          | <b>MGS</b> | NO-NA-ME FOND MATT       |
| HENJA 53            |            | US000001392858           |
| DE001008193283      | <b>MGD</b> | HENNI 51                 |
|                     |            | DE001006242324           |

|                             |            |           |            |             |            |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>103</b> | Daug.       | <b>700</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3689</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |             | rank       | 1210.        |
| <b>13478</b>                |            |           |            | <b>-889</b> |            | <b>-29</b> | <b>0,09</b> | <b>SCS</b> | <b>2,76</b>  |
|                             |            |           |            |             |            | <b>-26</b> | <b>0,04</b> | rank       | 239.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 6</b> | Daug. | <b>141</b> | 75,3 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-1,22</b> |
|                  |             |       |               |       |            |      |      | rank        | 768.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,59 |    |    |   |    |    |
| Angularity            | -0,17 |    |    |   |    |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | -0,10 |    |    |   |    |    |
| Rump Angle            | -0,22 |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,14 |    |    |   |    |    |
| Fore Udder Attachment | -0,16 |    |    |   |    |    |
| Front Teat Placement  | -0,18 |    |    |   |    |    |
| Teat Length           | -0,55 |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | -0,16 |    |    |   |    |    |
| Central Ligament      | -0,49 |    |    |   |    |    |
| Udder Depth           | 0,04  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | -0,43 |    |    |   |    |    |
| Rear Teat Placement   | 0,23  |    |    |   |    |    |
| Locomotion            | 0,01  |    |    |   |    |    |
| Body Condition        | 0,01  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,7 | <b>Frame</b>           | <b>-0,90</b>  |
| 72,6 | <b>Dairy Strength</b>  | <b>-0,20</b>  |
| 76,6 | <b>Feet &amp; Legs</b> | <b>-0,59</b>  |
| 75,9 | <b>Udder</b>           | <b>-1,09</b>  |
|      | <b>SHI</b>             | <b>-159,9</b> |
|      | rank                   | 655.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                      |                                   |                   |                |
|----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number               | Birth date        | State Register |
| <b>EASTLAND CASH</b> | <b>NL000775328514</b>             | <b>07.02.1991</b> | <b>SUB-005</b> |
| Country of origin    | NL                                | <b>Breed</b>      | H100           |
| Distributor          | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                      |                                   | Paternity         | 14.06.1991     |
|                      |                                   | NLD               | 019101353120   |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | NEHLS CHIEF CRUSADER      |
| SKALSUMER SUNNY BOY-ET |            | US000001723121            |
| NL000311651443         | <b>PGD</b> | SKALSUMER PIETJE 175      |
|                        |            | NL000307400576            |
| <b>Dam</b>             | <b>MGS</b> | BIS-MAY TRADITION CLEITUS |
| EASTLAND GOLDEN ET     |            | US000001879085            |
| NL000514152714         | <b>MGD</b> | LATUCH LAURIE GOLDEN TWIN |
|                        |            | US000010662356            |

|                             |            |           |    |            |     |           |             |            |             |
|-----------------------------|------------|-----------|----|------------|-----|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug.      | 157 | Rel.      | 96 %        | <b>SPI</b> | 780         |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %           | Prot.      | %           |
| <b>3082</b>                 |            |           |    | <b>133</b> |     | <b>10</b> | <b>0,08</b> | <b>5</b>   | <b>0,01</b> |
|                             |            |           |    |            |     |           |             | <b>SCS</b> | <b>3,40</b> |
|                             |            |           |    |            |     |           |             | rank       | 1026.       |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 16 / 11 | Daug. | 63 | 75,6 | Rel. | 86 % | <b>TYPE</b> | -1,22 |
|                  |             |       |         |       |    |      |      |      | rank        | 769.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,59 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | 0,08  |    |    |   |    |    |
| Body Depth            | -0,12 |    |    |   |    |    |
| Rump Angle            | 0,52  |    |    |   |    |    |
| Rear Legs Side View   | 1,02  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | 0,07  |    |    |   |    |    |
| Front Teat Placement  | -0,38 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -0,22 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | -0,16 |    |    |   |    |    |
| Udder Depth           | 0,01  |    |    |   |    |    |
| Rump Width            | -1,04 |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | -0,70 |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | 0,02  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,2 | <b>Frame</b>           | <b>-1,07</b> |
| 74,0 | <b>Dairy Strength</b>  | <b>-0,04</b> |
| 75,0 | <b>Feet &amp; Legs</b> | <b>-1,47</b> |
| 76,4 | <b>Udder</b>           | <b>-0,66</b> |
|      | <b>SHI</b>             | <b>-25,4</b> |
|      | rank                   | 442.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>FOREST-ET</b>  | <b>CZ000114282761</b>             | <b>24.10.2001</b> | <b>MNL-012</b> |
| Country of origin | CZ                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 21.11.2002     |
|                   |                                   | CSK               | 4861/04        |

### Pedigree

|                             |            |                             |
|-----------------------------|------------|-----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET    |
| RICECREST MARSHALL-ET       |            | US000002119526              |
| US000002297473              | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
| MNL-007                     |            | US000014334791              |
| <b>Dam</b>                  | <b>MGS</b> | PEN-COL DECISION-ET         |
| GLEN-TOCTIN DECISON LEXY-ET |            | US000002217212              |
| US000128967825              | <b>MGD</b> | GLEN-TOCTIN FATAL LEEZA-ET  |
|                             |            | US000018058213              |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 47 | Daug. | 167 | Rel. | 96 %  | <b>SPI</b> | 1344       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>3531</b>                 |            |           |    | 220   | 16  | 0,13 | 9     | 0,05       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 179.       |
|                             |            |           |    |       |     |      |       |            | 733.       |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 11 / 10 | Daug. | 38 | 78,1 | Rel. | 76 % | <b>TYPE</b> | -1,23 |
|                  |             |       |         |       |    |      |      |      | rank        | 770.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,28 |    |    |   |    |    |
| Angularity            | 0,25  |    |    |   |    |    |
| Chest Width           | -0,32 |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | -1,53 |    |    |   |    |    |
| Rear Legs Side View   | 0,40  |    |    |   |    |    |
| Foot Angle            | -0,12 |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | -0,09 |    |    |   |    |    |
| Teat Length           | 0,31  |    |    |   |    |    |
| Rear Udder Height     | -0,34 |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,47 |    |    |   |    |    |
| Udder Depth           | -1,03 |    |    |   |    |    |
| Rump Width            | -0,67 |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | -0,11 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

80,9 **Frame** -1,94

81,4 **Dairy Strength** 0,69

78,2 **Feet & Legs** -0,83

75,1 **Udder** -0,67

**SHI** -8,5

rank 387.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>LUKAS-ET</b>          | <b>DE000015269506</b>             | <b>16.05.1994</b> | <b>LIB-001</b>        |
| <b>Country of origin</b> | <b>Distributor</b>                | <b>Breed</b>      | <b>H100</b>           |
| DE                       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                          |                                   | <b>Paternity</b>  | 17.08.1994            |
|                          |                                   | <b>DEU</b>        | 94/10423              |

### Pedigree

|                  |            |                                |
|------------------|------------|--------------------------------|
| <b>Sire</b>      | <b>PGS</b> | BOSSIR GLEN-VALLEY STARLITE AL |
| HEINZ LIBERTY-ET |            | US000001819119                 |
| US000002049679   | <b>PGD</b> | CLAYDALE LANA LARISSA          |
|                  |            | US000011399819                 |
| <b>Dam</b>       | <b>MGS</b> | TO-MAR BLACKSTAR-ET            |
| HARMONIE         |            | US000001929410                 |
| DE001015193072   | <b>MGD</b> | HEIDI                          |
|                  |            | DE001015101164                 |

|                             |            |              |           |              |            |             |             |              |              |
|-----------------------------|------------|--------------|-----------|--------------|------------|-------------|-------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>37</b> | <b>Daug.</b> | <b>112</b> | <b>Rel.</b> | <b>93 %</b> | <b>SPI</b>   | <b>-2414</b> |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |            | <b>Fat</b>  |             | <b>%</b>     |              |
| <b>2032</b>                 |            |              |           | <b>-485</b>  |            | <b>-22</b>  |             | <b>-0,08</b> | <b>-18</b>   |
|                             |            |              |           |              |            | <b>%</b>    |             | <b>Prot.</b> | <b>rank</b>  |
|                             |            |              |           |              |            |             |             | <b>-0,07</b> | <b>960.</b>  |
|                             |            |              |           |              |            |             |             | <b>SCS</b>   | <b>3,38</b>  |
|                             |            |              |           |              |            |             |             |              | <b>rank</b>  |
|                             |            |              |           |              |            |             |             |              | <b>1010.</b> |

|                  |             |              |                |              |           |             |             |             |             |              |
|------------------|-------------|--------------|----------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>11 / 10</b> | <b>Daug.</b> | <b>24</b> | <b>75,5</b> | <b>Rel.</b> | <b>63 %</b> | <b>TYPE</b> | <b>-1,25</b> |
|                  |             |              |                |              |           |             |             |             | <b>rank</b> | <b>771.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,34 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | -0,17 |    |    |   |    |    |
| Body Depth            | 0,39  |    |    |   |    |    |
| Rump Angle            | 0,60  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,91 |    |    |   |    |    |
| Fore Udder Attachment | -0,52 |    |    |   |    |    |
| Front Teat Placement  | 0,77  |    |    |   |    |    |
| Teat Length           | -0,72 |    |    |   |    |    |
| Rear Udder Height     | -0,82 |    |    |   |    |    |
| Rear Udder Width      | -0,36 |    |    |   |    |    |
| Central Ligament      | -0,77 |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,11 |    |    |   |    |    |
| Rear Teat Placement   | -0,31 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

daught. average

|             |                        |               |
|-------------|------------------------|---------------|
| <b>78,5</b> | <b>Frame</b>           | <b>-0,30</b>  |
| <b>72,6</b> | <b>Dairy Strength</b>  | <b>-0,98</b>  |
| <b>75,1</b> | <b>Feet &amp; Legs</b> | <b>-1,92</b>  |
| <b>75,3</b> | <b>Udder</b>           | <b>-0,54</b>  |
|             | <b>SHI</b>             | <b>-122,9</b> |
|             | <b>rank</b>            | <b>...</b>    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>SERVANOUR</b> | <b>FR000802065074</b> | <b>05.09.2001</b> | <b>BRE-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | FR                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.11.2002 |
|                   |                                   | FRA          | 068648     |

### Pedigree

|                    |            |                             |
|--------------------|------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b> | MAIZEFIELD BELLWOOD-ET      |
| RICECREST BRETT-ET |            | US000002103297              |
| US000002289548     | <b>PGD</b> | RICECREST SOUTHWIND KAYE-ET |
|                    |            | US000014334791              |
| <b>Dam</b>         | <b>MGS</b> | OUT-JOCK CHOICE AMEL-ET     |
| PASEN AMEL MIST-ET |            | US000002231596              |
| FR000128017025     | <b>MGD</b> | PASEN BELLWOOD MABLE-ET     |
|                    |            | US000015847183              |

|                             |            |           |           |             |           |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>33</b> | Daug.       | <b>61</b> | Rel.       | <b>88 %</b>  | <b>SPI</b> | <b>-1233</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |           | Fat        |              | rank       | 698.         |
| <b>1122</b>                 |            |           |           | <b>-297</b> |           | <b>-14</b> | <b>-0,06</b> | <b>SCS</b> | <b>3,41</b>  |
|                             |            |           |           |             |           | <b>-7</b>  | <b>0,05</b>  | rank       | 1035.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 7</b> | Daug. | <b>10</b> | 76,8 | Rel. | <b>47 %</b> | <b>TYPE</b> | <b>-1,26</b> |
|                  |             |       |              |       |           |      |      | rank        | 772.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,72  |    |    |   |    |    |
| Angularity            | 0,06  |    |    |   |    |    |
| Chest Width           | -1,22 |    |    |   |    |    |
| Body Depth            | -0,57 |    |    |   |    |    |
| Rump Angle            | 0,38  |    |    |   |    |    |
| Rear Legs Side View   | 0,56  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | -0,08 |    |    |   |    |    |
| Front Teat Placement  | -0,22 |    |    |   |    |    |
| Teat Length           | -0,37 |    |    |   |    |    |
| Rear Udder Height     | 0,09  |    |    |   |    |    |
| Rear Udder Width      | -0,24 |    |    |   |    |    |
| Central Ligament      | -0,71 |    |    |   |    |    |
| Udder Depth           | 0,54  |    |    |   |    |    |
| Rump Width            | -0,58 |    |    |   |    |    |
| Rear Legs Rear View   | -0,33 |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,36 |    |    |   |    |    |
| Body Condition        | -0,46 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 80,7 | <b>Frame</b>           | <b>-0,26</b> |
| 77,5 | <b>Dairy Strength</b>  | <b>-1,23</b> |
| 76,1 | <b>Feet &amp; Legs</b> | <b>-0,61</b> |
| 74,9 | <b>Udder</b>           | <b>-1,02</b> |
|      | <b>SHI</b>             | <b>-87,4</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                            |                   |                       |
|----------------------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>                 | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>VAN-WAGNER JUMPIN JACK-ET</b> | <b>US000002161888</b>      | <b>25.12.1990</b> | <b>BS-037</b>         |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 07.04.1992 |
|                   |                                   | USA          | IG168208A  |

### Pedigree

|                        |                |                          |
|------------------------|----------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b>     | CAL-CLARK BOARD CHAIRMAN |
| TO-MAR BLACKSTAR-ET    | US000001723741 | ADM-008                  |
| US000001929410         | <b>PGD</b>     | TO-MAR WAYNE HAY         |
| CHR-002                | US000009804790 |                          |
| <b>Dam</b>             | <b>MGS</b>     | WALKWAY CHIEF MARK       |
| OAKMULGEE MARK JACKPOT | US000001773417 |                          |
| US000012689371         | <b>MGD</b>     | OAKMULGEE BELL JERI      |
|                        | US000011488329 |                          |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 344 | Rel. | 98 % | <b>SPI</b> | -1466 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| <b>6936</b>                 |            |           |    | -319  |     | -8   | 0,08 | -13        | -0,07 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 2,61  |
|                             |            |           |    |       |     |      |      | rank       | 753.  |
|                             |            |           |    |       |     |      |      | rank       | 130.  |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 21 / 11 | Daug. | 84 | 75,8 | Rel. | 88 % | <b>TYPE</b> | -1,26 |
|                  |             |       |         |       |    |      |      | rank | 773.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,67 |    |    |   |    |    |
| Angularity            | -0,05 |    |    |   |    |    |
| Chest Width           | -0,21 |    |    |   |    |    |
| Body Depth            | -0,42 |    |    |   |    |    |
| Rump Angle            | -0,42 |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | -0,03 |    |    |   |    |    |
| Front Teat Placement  | 0,37  |    |    |   |    |    |
| Teat Length           | -0,29 |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | -0,93 |    |    |   |    |    |
| Central Ligament      | 0,25  |    |    |   |    |    |
| Udder Depth           | 1,15  |    |    |   |    |    |
| Rump Width            | -0,64 |    |    |   |    |    |
| Rear Legs Rear View   | -0,70 |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | -0,11 |    |    |   |    |    |

|                 |      |                        |       |
|-----------------|------|------------------------|-------|
| daught. average | 78,4 | <b>Frame</b>           | -1,08 |
|                 | 73,7 | <b>Dairy Strength</b>  | -0,55 |
|                 | 76,2 | <b>Feet &amp; Legs</b> | -1,54 |
|                 | 75,4 | <b>Udder</b>           | -0,53 |
|                 |      | <b>SHI</b>             | -94,5 |
|                 |      | rank                   | 598.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>RON-NAN MARIO-RED-ET</b> | <b>US000002244521</b> | <b>03.03.1994</b> | <b>MOR-006</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 04.11.1994 |
|                   |                                   | USA          | IG203614A  |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ROBE-JAN SKYLER CHIEF          |
| MR HURL-THREE MOMENTUM RED-ET |            | US000001781631                 |
| US000002041332                | <b>PGD</b> | BURTON-HILL CAVALIER MOLLY-RED |
|                               |            | US000011021483                 |
| <b>Dam</b>                    | <b>MGS</b> | KINGLEA LEADER                 |
| RON-NAN LEADER MITZI RED-ET   |            | US000001926780                 |
| US000014169139                | <b>MGD</b> | MISS RON-NAN ENHANCE MOLLI-RED |
|                               |            | US000012016893                 |

|                             |            |           |            |           |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-----------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>188</b> | Daug.     | <b>3422</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-864</b> |
| Number controls             |            | <b>BV</b> |            | Milk      |             | Fat        | %            | rank       | 616.        |
| <b>71299</b>                |            |           |            | <b>21</b> |             | <b>-20</b> | <b>-0,39</b> | <b>SCS</b> | <b>3,01</b> |
|                             |            |           |            |           |             | <b>-6</b>  | <b>-0,14</b> | rank       | 558.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>48 / 18</b> | Daug. | <b>393</b> | 76,0 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-1,26</b> |
|                  |             |       |                |       |            |      |      | rank        | 774.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,40 |    |    |   |    |    |
| Angularity            | 0,10  |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,33 |    |    |   |    |    |
| Rump Angle            | 0,10  |    |    |   |    |    |
| Rear Legs Side View   | 0,63  |    |    |   |    |    |
| Foot Angle            | -0,35 |    |    |   |    |    |
| Fore Udder Attachment | -0,21 |    |    |   |    |    |
| Front Teat Placement  | -0,35 |    |    |   |    |    |
| Teat Length           | -2,02 |    |    |   |    |    |
| Rear Udder Height     | -0,15 |    |    |   |    |    |
| Rear Udder Width      | 0,16  |    |    |   |    |    |
| Central Ligament      | -0,76 |    |    |   |    |    |
| Udder Depth           | -0,86 |    |    |   |    |    |
| Rump Width            | 1,13  |    |    |   |    |    |
| Rear Legs Rear View   | -0,70 |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | -0,65 |    |    |   |    |    |
| Body Condition        | -0,12 |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,8 | <b>Frame</b> | <b>-0,40</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 76,3 | <b>Dairy Strength</b> | <b>-0,08</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,3 | <b>Feet &amp; Legs</b> | <b>-2,10</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 74,8 | <b>Udder</b> | <b>-1,32</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-76,5</b> |
|--|------------|--------------|

rank 568.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>MANDOLIN</b>   | <b>DE000578716683</b>             | <b>04.12.1999</b> | <b>MED-003</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 08.05.2000            |
|                   |                                   | DEU               | 00/6576               |

### Pedigree

**Sire** **PGS** OSDEL-ENDEAVOR BOVA CUBBY  
HA-HO CUBBY MANFRED-ET  
US000002183007  
US000001986164 BA-002

**PGD** HA-HO TESK MELANIE  
US000013066986

**Dam** **MGS** ETAZON FERRARI  
JADE  
DE000576547208  
NL000514410403

**MGD** JUWEL  
DE000076158686

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 97  | Rel.  | 93 %  | <b>SPI</b> | 1110       |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 2071                        |            |           |    | 430   | 11  | -0,11 | 3     | -0,21      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 841.       |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 14 / 9 | Daug. | 21 | 76,1 | Rel. | 64 % | <b>TYPE</b> | -1,28 |
|                  |             |       |        |       |    |      |      |      | rank        | 775.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,46 |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,19 |    |    |   |    |    |
| Body Depth            | -0,16 |    |    |   |    |    |
| Rump Angle            | 0,25  |    |    |   |    |    |
| Rear Legs Side View   | 0,44  |    |    |   |    |    |
| Foot Angle            | -0,42 |    |    |   |    |    |
| Fore Udder Attachment | -0,74 |    |    |   |    |    |
| Front Teat Placement  | -0,53 |    |    |   |    |    |
| Teat Length           | 0,73  |    |    |   |    |    |
| Rear Udder Height     | -0,51 |    |    |   |    |    |
| Rear Udder Width      | -0,43 |    |    |   |    |    |
| Central Ligament      | -0,45 |    |    |   |    |    |
| Udder Depth           | -0,77 |    |    |   |    |    |
| Rump Width            | 0,02  |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | -0,41 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | -0,08 |    |    |   |    |    |

daught. average

78,5 **Frame** -0,63

76,2 **Dairy Strength** -0,41

76,5 **Feet & Legs** -0,81

74,7 **Udder** -1,22

**SHI** -17,8

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |              |                |
|--------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date   | State Register |
| <b>LATERA VALIANT CLEMO-ET</b> | <b>SK000021309055</b> | 06.11.1995   | <b>ELO-001</b> |
| Country of origin SK           |                       | <b>Breed</b> | H100           |
| Distributor                    |                       | Herdbook     | HA             |
|                                |                       | Paternity    | ...            |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN     |
| ERNLO CHAIRMAN VALIANT     |            | US000001723741               |
| US000001972683             | <b>PGD</b> | ERNLO VELVETA                |
| CHR-008                    |            | US000011176478               |
| <b>Dam</b>                 | <b>MGS</b> | GLENAFTON ENHANCER           |
| RUANN ENHANCER ALYCE 87629 |            | CA000000343514               |
| US000013193030             | <b>MGD</b> | RUANN STARWARS ALLEGRO 85378 |
|                            |            | US000012309312               |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>120</b> | Rel.       | <b>94 %</b>  | <b>SPI</b> | <b>-2926</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 1075.        |
| <b>2443</b>                 |            |           |           | <b>-487</b> |            | <b>-31</b> | <b>-0,26</b> | <b>SCS</b> | <b>3,68</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>-0,17</b> | rank       | 1192.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 8</b> | Daug. | <b>19</b> | 75,3 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>-1,29</b> |
|                  |             |       |               |       |           |      |      | rank        | 776.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,18  |    |    |   |    |    |
| Angularity            | -0,11 |    |    |   |    |    |
| Chest Width           | -0,42 |    |    |   |    |    |
| Body Depth            | -0,25 |    |    |   |    |    |
| Rump Angle            | 0,11  |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | -0,18 |    |    |   |    |    |
| Front Teat Placement  | -0,90 |    |    |   |    |    |
| Teat Length           | -0,83 |    |    |   |    |    |
| Rear Udder Height     | 0,00  |    |    |   |    |    |
| Rear Udder Width      | 0,14  |    |    |   |    |    |
| Central Ligament      | -0,63 |    |    |   |    |    |
| Udder Depth           | -0,13 |    |    |   |    |    |
| Rump Width            | 1,26  |    |    |   |    |    |
| Rear Legs Rear View   | -0,57 |    |    |   |    |    |
| Rear Teat Placement   | -0,34 |    |    |   |    |    |
| Locomotion            | -0,26 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,6 | <b>Frame</b>           | <b>-0,06</b>  |
| 73,5 | <b>Dairy Strength</b>  | <b>-0,84</b>  |
| 76,2 | <b>Feet &amp; Legs</b> | <b>-1,25</b>  |
| 74,1 | <b>Udder</b>           | <b>-1,21</b>  |
|      | <b>SHI</b>             | <b>-139,6</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MULOCK ET</b>  | <b>DE00000397566</b>              | <b>22.03.1995</b> | <b>MES-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 04.05.1995     |
|                   |                                   | DEU               | 95/6856        |

### Pedigree

|                            |            |                         |
|----------------------------|------------|-------------------------|
| <b>Sire</b>                | <b>PGS</b> | GLENAFTON ENHANCER      |
| BROOKNOOK MILESTONE-ET RED |            | CA000000343514          |
| CA000000400985             | <b>PGD</b> | BROOKNOOK MILESTONE DEE |
|                            |            | CA000003954472          |
| <b>Dam</b>                 | <b>MGS</b> | MEADOLAKE JUBILANT-ET   |
| LARA                       |            | CA000000376455          |
| DE001021012732             | <b>MGD</b> | LANCIA                  |
|                            |            | DE001020592825          |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.       | <b>324</b> | Rel.       | <b>97 %</b> | <b>SPI</b> | <b>-2831</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1049.        |
| <b>6051</b>                 |            |           |           | <b>-807</b> |            | <b>-10</b> | <b>0,44</b> | <b>SCS</b> | <b>3,41</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>0,07</b> | rank       | 1034.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 4</b> | Daug. | <b>20</b> | 75,1 | Rel. | <b>69 %</b> | <b>TYPE</b> | <b>-1,29</b> |
|                  |             |       |              |       |           |      |      | rank        | 777.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,24 |    |    |   |    |    |
| Angularity            | -0,34 |    |    |   |    |    |
| Chest Width           | -0,17 |    |    |   |    |    |
| Body Depth            | -0,30 |    |    |   |    |    |
| Rump Angle            | -0,93 |    |    |   |    |    |
| Rear Legs Side View   | 0,50  |    |    |   |    |    |
| Foot Angle            | -0,03 |    |    |   |    |    |
| Fore Udder Attachment | -0,64 |    |    |   |    |    |
| Front Teat Placement  | -0,58 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | -0,69 |    |    |   |    |    |
| Rear Udder Width      | -0,01 |    |    |   |    |    |
| Central Ligament      | -0,64 |    |    |   |    |    |
| Udder Depth           | -0,47 |    |    |   |    |    |
| Rump Width            | 0,30  |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | -0,35 |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | 0,80  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 79,4 | <b>Frame</b>           | <b>-0,34</b>  |
| 75,5 | <b>Dairy Strength</b>  | <b>-1,09</b>  |
| 76,8 | <b>Feet &amp; Legs</b> | <b>-1,23</b>  |
| 71,9 | <b>Udder</b>           | <b>-0,91</b>  |
|      | <b>SHI</b>             | <b>-136,9</b> |
|      | rank                   | 637.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>MUSIC ET</b>  | <b>DE000021142729</b> | <b>24.07.1992</b> | <b>MAS-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 14.09.1992 |
|                   |                                   | DEU          | 92/10593   |

### Pedigree

|                               |            |                          |
|-------------------------------|------------|--------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY   |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201           |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY |
| NBV-011                       |            | US000011356580           |
| <b>Dam</b>                    | <b>MGS</b> | GLENAFTON ENHANCER       |
| TENNE                         |            | CA000000343514           |
| DE001020286992                | <b>MGD</b> | THERESE                  |
|                               |            | DE001020059887           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>68</b> | Daug.       | <b>265</b> | Rel.       | <b>97 %</b>  | <b>SPI</b> | <b>-2904</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1071.        |
| <b>5283</b>                 |            |           |           | <b>-626</b> |            | <b>-22</b> | <b>0,03</b>  | <b>SCS</b> | <b>3,24</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>-0,08</b> | rank       | 838.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 5</b> | Daug. | <b>31</b> | 74,7 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>-1,30</b> |
|                  |             |       |              |       |           |      |      | rank        | 778.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | -1,06 |    |    |   |    |    |
| Chest Width           | 0,25  |    |    |   |    |    |
| Body Depth            | 0,23  |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | 0,10  |    |    |   |    |    |
| Fore Udder Attachment | 0,12  |    |    |   |    |    |
| Front Teat Placement  | -0,02 |    |    |   |    |    |
| Teat Length           | 0,13  |    |    |   |    |    |
| Rear Udder Height     | -0,36 |    |    |   |    |    |
| Rear Udder Width      | -0,28 |    |    |   |    |    |
| Central Ligament      | -0,40 |    |    |   |    |    |
| Udder Depth           | 0,22  |    |    |   |    |    |
| Rump Width            | -0,30 |    |    |   |    |    |
| Rear Legs Rear View   | 0,08  |    |    |   |    |    |
| Rear Teat Placement   | -0,23 |    |    |   |    |    |
| Locomotion            | 0,00  |    |    |   |    |    |
| Body Condition        | 0,72  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 74,6 | <b>Frame</b> | <b>-0,54</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 70,3 | <b>Dairy Strength</b> | <b>-2,46</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Feet &amp; Legs</b> | <b>-0,50</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,0 | <b>Udder</b> | <b>-0,57</b> |
|------|--------------|--------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-139,4</b> |
|  | rank       | 642.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>EXPLORER</b>   | <b>NL000136857044</b>             | <b>10.02.1995</b> | <b>NUH-001</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 19.12.2000     |
|                   |                                   | NLD               | 55172          |

### Pedigree

|                             |            |                           |
|-----------------------------|------------|---------------------------|
| <b>Sire</b>                 | <b>PGS</b> | KINGLEA LEADER            |
| NUHAVEN LEADING EDGE RED-ET |            | US000001926780            |
| US000002161466              | <b>PGD</b> | BROOKS-MEADOW BELL JULIE  |
|                             |            | US000011160261            |
| <b>Dam</b>                  | <b>MGS</b> | OSDEL-ENDEAVOR BOVA CUBBY |
| BELLA 18                    |            | US000001986164            |
| NL000797035775              | <b>MGD</b> | BELLA 14                  |
|                             |            | NL000958421553            |

|                             |            |           |            |             |             |            |              |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>282</b> | Daug.       | <b>5666</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-85</b>  |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |              | rank       | 447.        |
| <b>114445</b>               |            |           |            | <b>0</b>    |             | <b>0</b>   | <b>-0,01</b> | <b>SCS</b> | <b>2,70</b> |
|                             |            |           |            |             |             | <b>-1</b>  | <b>-0,04</b> | rank       | 185.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>52 / 25</b> | Daug. | <b>422</b> | 76,8 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-1,30</b> |
|                  |             |       |                |       |            |      |      | rank        | 779.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,83 |    |    |   |    |    |
| Angularity            | -0,32 |    |    |   |    |    |
| Chest Width           | -0,36 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,80  |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,77 |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | 0,02  |    |    |   |    |    |
| Teat Length           | -0,18 |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | 0,23  |    |    |   |    |    |
| Central Ligament      | -1,23 |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | -0,12 |    |    |   |    |    |
| Rear Legs Rear View   | 0,26  |    |    |   |    |    |
| Rear Teat Placement   | -1,01 |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | -0,40 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,9 | <b>Frame</b>           | <b>-1,13</b> |
| 77,5 | <b>Dairy Strength</b>  | <b>-1,04</b> |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-1,68</b> |
| 75,4 | <b>Udder</b>           | <b>-0,59</b> |
|      | <b>SHI</b>             | <b>-54,6</b> |
|      | rank                   | 520.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

# SLOVAK HOLSTEIN ASSOCIATION



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>LATERA CUBBY MATO-ET</b> | <b>SK000021303055</b> | <b>01.09.1995</b> | <b>CB-002</b>  |
| Country of origin <b>SK</b> |                       | <b>Breed</b>      | H100           |
| Distributor                 |                       | Herdbook          | HA             |
|                             |                       | Paternity         |                |

### Pedigree

|                              |            |                          |
|------------------------------|------------|--------------------------|
| <b>Sire</b>                  | <b>PGS</b> | ROCKALLI SON OF BOVA     |
| OSDEL-ENDEAVOR BOVA CUBBY    |            | US000001665634           |
| US000001986164               | <b>PGD</b> | RYND-HOME VALIANT CUTIE  |
| <b>BA-002</b>                |            | US000011268725           |
| <b>Dam</b>                   | <b>MGS</b> | KDK VALIANT TESSIE 85225 |
| VALI-GIRL TESSIE TAMMY-87452 |            | US000001986749           |
| US000013053861               | <b>MGD</b> | KDK PETE TAMARA 4296-ET  |
|                              |            | US000011227549           |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.       | <b>136</b> | Rel.       | <b>95 %</b>  | <b>SPI</b> | <b>-2401</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 957.         |
| <b>2597</b>                 |            |           |           | <b>-536</b> |            | <b>-19</b> | <b>0,02</b>  | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |           |             |            | <b>-18</b> | <b>-0,03</b> | rank       | 612.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 13</b> | Daug. | <b>27</b> | 75,6 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-1,31</b> |
|                  |             |       |                |       |           |      |      | rank        | 780.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,71 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | 0,26  |    |    |   |    |    |
| Body Depth            | 0,47  |    |    |   |    |    |
| Rump Angle            | -0,90 |    |    |   |    |    |
| Rear Legs Side View   | 0,13  |    |    |   |    |    |
| Foot Angle            | -0,60 |    |    |   |    |    |
| Fore Udder Attachment | 0,18  |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | -0,33 |    |    |   |    |    |
| Rear Udder Height     | -0,57 |    |    |   |    |    |
| Rear Udder Width      | -0,21 |    |    |   |    |    |
| Central Ligament      | -1,49 |    |    |   |    |    |
| Udder Depth           | 0,42  |    |    |   |    |    |
| Rump Width            | -0,47 |    |    |   |    |    |
| Rear Legs Rear View   | -0,75 |    |    |   |    |    |
| Rear Teat Placement   | -0,48 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,55  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 76,7 | <b>Frame</b>           | <b>-0,76</b>  |
| 75,0 | <b>Dairy Strength</b>  | <b>0,82</b>   |
| 76,5 | <b>Feet &amp; Legs</b> | <b>-0,77</b>  |
| 74,7 | <b>Udder</b>           | <b>-1,89</b>  |
|      | <b>SHI</b>             | <b>-125,0</b> |
|      | rank                   | 625.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>ARNELL CARDINAL-ET</b> | <b>CA00005567829</b>              | <b>14.12.1991</b> | <b>JUB-019</b> |
| Country of origin         | CA                                | <b>Breed</b>      | R100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 14.05.1992     |
|                           |                                   | CAN               | 275420         |

### Pedigree

|                       |            |                                |
|-----------------------|------------|--------------------------------|
| <b>Sire</b>           | <b>PGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| MEADOLAKE JUBILANT-ET |            | US000001629391                 |
| CA000000376455        | <b>PGD</b> | CASS RIDGE R MAPLE JAZZ        |
|                       |            | CA000003003616                 |
| <b>Dam</b>            | <b>MGS</b> | PUGET-SOUND SHEIK              |
| ARNELL MARQUIS DARLA  |            | CA000000327279                 |
| CA000003532355        | <b>MGD</b> | ARNELL MARQUIS KATHY           |
|                       |            | CA000003047188                 |

|                             |            |           |     |       |      |      |      |            |       |
|-----------------------------|------------|-----------|-----|-------|------|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 257 | Daug. | 4330 | Rel. | 99 % | <b>SPI</b> | -1440 |
| Number controls             |            | <b>BV</b> |     | Milk  |      | Fat  | %    | Prot.      | %     |
| <b>85086</b>                |            |           |     | -317  |      | -10  | 0,03 | -11        | -0,04 |
|                             |            |           |     |       |      |      |      | <b>SCS</b> | 3,50  |
|                             |            |           |     |       |      |      |      | rank       | 1107. |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 25 / 13 | Daug. | 132 | 75,5 | Rel. | 91 % | <b>TYPE</b> | -1,32 |
|                  |             |       |         |       |     |      |      |      | rank        | 781.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,15  |    |    |   |    |    |
| Angularity            | -0,57 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | 0,21  |    |    |   |    |    |
| Rear Legs Side View   | 1,05  |    |    |   |    |    |
| Foot Angle            | -0,04 |    |    |   |    |    |
| Fore Udder Attachment | -1,20 |    |    |   |    |    |
| Front Teat Placement  | -0,24 |    |    |   |    |    |
| Teat Length           | 0,83  |    |    |   |    |    |
| Rear Udder Height     | -0,65 |    |    |   |    |    |
| Rear Udder Width      | -0,07 |    |    |   |    |    |
| Central Ligament      | -1,19 |    |    |   |    |    |
| Udder Depth           | -1,54 |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | 0,73  |    |    |   |    |    |
| Rear Teat Placement   | -1,36 |    |    |   |    |    |
| Locomotion            | -0,03 |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |              |             |
|------|--------------|-------------|
| 77,5 | <b>Frame</b> | <b>0,44</b> |
|------|--------------|-------------|

|      |                       |              |
|------|-----------------------|--------------|
| 75,8 | <b>Dairy Strength</b> | <b>-0,82</b> |
|------|-----------------------|--------------|

|      |                        |             |
|------|------------------------|-------------|
| 77,2 | <b>Feet &amp; Legs</b> | <b>0,13</b> |
|------|------------------------|-------------|

|      |              |              |
|------|--------------|--------------|
| 73,5 | <b>Udder</b> | <b>-2,59</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-96,2</b> |
|--|------------|--------------|

rank 600.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                      |                   |                |
|------------------|----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number  | Birth date        | State Register |
| <b>KOPPEL-ET</b> | <b>DE00000913637</b> | <b>22.08.1996</b> | <b>KOR-003</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 08.10.1996 |
|                   |                | DEU          | 96/12395   |

### Pedigree

|                |            |                                 |
|----------------|------------|---------------------------------|
| <b>Sire</b>    | <b>PGS</b> | ORKAN                           |
| KOERIER 104    |            | DE001004565147                  |
| NL000461733916 | <b>PGD</b> | TRIX 149                        |
|                |            | NL000457698339                  |
| <b>Dam</b>     | <b>MGS</b> | HONDO FRAELAND TRI RUSTY RED-ET |
| MONTANA        |            | CA000000363215                  |
| DE000505835682 | <b>MGD</b> | MALVE                           |
|                |            | DE000503888062                  |

|                             |            |           |           |             |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>88</b> | Daug.       | <b>881</b> | Rel.      | <b>99 %</b> | <b>SPI</b> | <b>-1805</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %           | Prot.      | %            |
| <b>19557</b>                |            |           |           | <b>-470</b> |            | <b>-2</b> | <b>0,33</b> | <b>-17</b> | <b>-0,07</b> |
|                             |            |           |           |             |            |           |             | <b>SCS</b> | <b>2,52</b>  |
|                             |            |           |           |             |            |           |             | rank       | 82.          |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 5</b> | Daug. | <b>127</b> | 77,5 | Rel. | <b>91 %</b> | <b>TYPE</b> | <b>-1,33</b> |
|                  |             |       |               |       |            |      |      |             | rank        | 782.         |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,96 | [Bar chart] |    |   |    |    |
| Angularity            | -0,39 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,25 | [Bar chart] |    |   |    |    |
| Body Depth            | 0,09  | [Bar chart] |    |   |    |    |
| Rump Angle            | 0,28  | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,51  | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,47 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | 0,06  | [Bar chart] |    |   |    |    |
| Front Teat Placement  | 0,54  | [Bar chart] |    |   |    |    |
| Teat Length           | -0,64 | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,45 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,73 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,21 | [Bar chart] |    |   |    |    |
| Udder Depth           | -0,08 | [Bar chart] |    |   |    |    |
| Rump Width            | -1,35 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | 0,05  | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,65 | [Bar chart] |    |   |    |    |
| Locomotion            | 0,25  | [Bar chart] |    |   |    |    |
| Body Condition        | 0,29  | [Bar chart] |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 77,6 | <b>Frame</b> | <b>-2,51</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 77,9 | <b>Dairy Strength</b> | <b>-0,95</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 78,7 | <b>Feet &amp; Legs</b> | <b>-0,44</b> |
|------|------------------------|--------------|

|      |              |             |
|------|--------------|-------------|
| 76,7 | <b>Udder</b> | <b>0,14</b> |
|------|--------------|-------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-107,8</b> |
|--|------------|---------------|

rank 613.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |                   |                |
|------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date        | State Register |
| <b>FAIR-HILL CHEYENNE-ET</b> | <b>US000002015769</b>             | <b>08.07.1986</b> | <b>GEN-008</b> |
| Country of origin            | US                                | <b>Breed</b>      | H100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                              |                                   | Paternity         | 22.01.1987     |
|                              |                                   | USA               | IG91305C       |

### Pedigree

|                    |            |                             |
|--------------------|------------|-----------------------------|
| <b>Sire</b>        | <b>PGS</b> | GLENDELL ARLINDA CHIEF      |
| ARLINDA ROTATE     |            | US000001556373              |
| US000001697572     | <b>PGD</b> | ARLINDA CHIEF ROSE          |
|                    |            | US000007370146              |
| <b>Dam</b>         | <b>MGS</b> | CARLIN-M IVANHOE BELL       |
| KINGLEA BELL GINNY |            | US000001667366              |
| US0000010923482    | <b>MGD</b> | KINGLEA MONITOR GINGER SNAP |
|                    |            | US000009177739              |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>48</b> | Daug.       | <b>543</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1490</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        | %            | rank       | 759.         |
| <b>11999</b>                |            |           |           | <b>-294</b> |            | <b>-12</b> | <b>-0,03</b> | <b>SCS</b> | <b>2,87</b>  |
|                             |            |           |           |             |            | <b>-12</b> | <b>-0,06</b> | rank       | 363.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 9</b> | Daug. | <b>49</b> | 75,6 | Rel. | <b>85 %</b> | <b>TYPE</b> | <b>-1,35</b> |
|                  |             |       |               |       |           |      |      | rank        | 783.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,56 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | -0,02 |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | 0,08  |    |    |   |    |    |
| Front Teat Placement  | -0,21 |    |    |   |    |    |
| Teat Length           | 0,06  |    |    |   |    |    |
| Rear Udder Height     | -0,60 |    |    |   |    |    |
| Rear Udder Width      | -0,77 |    |    |   |    |    |
| Central Ligament      | -0,11 |    |    |   |    |    |
| Udder Depth           | 0,38  |    |    |   |    |    |
| Rump Width            | 0,07  |    |    |   |    |    |
| Rear Legs Rear View   | -0,08 |    |    |   |    |    |
| Rear Teat Placement   | -0,39 |    |    |   |    |    |
| Locomotion            | 0,11  |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,5 | <b>Frame</b>           | <b>-0,58</b> |
| 73,6 | <b>Dairy Strength</b>  | <b>-0,73</b> |
| 75,2 | <b>Feet &amp; Legs</b> | <b>-1,37</b> |
| 75,6 | <b>Udder</b>           | <b>-0,89</b> |
|      | <b>SHI</b>             | <b>-98,8</b> |
|      | rank                   | 601.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>FELIX-ET</b>   | <b>DE00000414821</b>       | <b>30.04.1997</b> | <b>FAL-001</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 04.07.1997            |
|                   |                            | DEU               | 97/9351               |

### Pedigree

|                |            |                              |
|----------------|------------|------------------------------|
| <b>Sire</b>    | <b>PGS</b> | PEN SPRING MR C (UGELA BELL) |
| FATAL          |            | US000001920807               |
| FR002290038601 | <b>PGD</b> | BRUNE 84                     |
|                |            | FR002286037388               |
| <b>Dam</b>     | <b>MGS</b> | TO-MAR BLACKSTAR-ET          |
| PATSY 77       |            | US000001929410               |
| DE001021073067 | <b>MGD</b> | PATSY                        |
|                |            | DE001020777225               |

|                             |            |           |    |       |     |      |       |            |             |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 62 | Daug. | 313 | Rel. | 97 %  | <b>SPI</b> | -801        |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %     | rank       | 601.        |
| <b>5364</b>                 |            |           |    | -70   |     | -7   | -0,10 | <b>SCS</b> | <b>3,51</b> |
|                             |            |           |    |       |     | -8   | -0,13 | rank       | 1117.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 28 | 76,2 | Rel. | 68 % | <b>TYPE</b> | -1,37 |
|                  |             |       |       |       |    |      |      | rank | 784.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,90 |    |    |   |    |    |
| Angularity            | 0,39  |    |    |   |    |    |
| Chest Width           | 0,25  |    |    |   |    |    |
| Body Depth            | -0,31 |    |    |   |    |    |
| Rump Angle            | -0,63 |    |    |   |    |    |
| Rear Legs Side View   | -0,26 |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | -0,66 |    |    |   |    |    |
| Front Teat Placement  | -0,16 |    |    |   |    |    |
| Teat Length           | 0,38  |    |    |   |    |    |
| Rear Udder Height     | -0,95 |    |    |   |    |    |
| Rear Udder Width      | -1,23 |    |    |   |    |    |
| Central Ligament      | 0,20  |    |    |   |    |    |
| Udder Depth           | -0,88 |    |    |   |    |    |
| Rump Width            | 0,48  |    |    |   |    |    |
| Rear Legs Rear View   | -0,88 |    |    |   |    |    |
| Rear Teat Placement   | 0,68  |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,04 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,0 | <b>Frame</b>           | -0,92 |
| 77,4 | <b>Dairy Strength</b>  | 0,76  |
| 76,5 | <b>Feet &amp; Legs</b> | -1,20 |
| 74,4 | <b>Udder</b>           | -1,56 |
|      | <b>SHI</b>             | -79,0 |
|      | rank                   | 571.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>SFL FABULOUS MONET RED-ET</b> | <b>US000002217394</b> | <b>03.03.1993</b> | <b>MOR-009</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | US                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 10.06.1993 |
|                   |                                   | DEU          | 948700     |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ROBE-JAN SKYLER CHIEF          |
| MR HURL-THREE MOMENTUM RED-ET |            | US000001781631                 |
| US000002041332                | <b>PGD</b> | BURTON-HILL CAVALIER MOLLY-RED |
|                               |            | US000011021483                 |
| <b>Dam</b>                    | <b>MGS</b> | GLENAFTON ENHANCER             |
| SFL ENHANCER SHARNA RED-ET    |            | CA000000343514                 |
| US000013531356                | <b>MGD</b> | STOOKEY FAGN SCARLET RED-ET    |
|                               |            | US000011681841                 |

|                             |            |           |    |            |     |           |              |            |              |
|-----------------------------|------------|-----------|----|------------|-----|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 29 | Daug.      | 297 | Rel.      | 97 %         | <b>SPI</b> | 973          |
| Number controls             |            | <b>BV</b> |    | Milk       |     | Fat       | %            | Prot.      | %            |
| <b>5597</b>                 |            |           |    | <b>581</b> |     | <b>-4</b> | <b>-0,45</b> | <b>4</b>   | <b>-0,28</b> |
|                             |            |           |    |            |     |           |              | <b>SCS</b> | 2,79         |
|                             |            |           |    |            |     |           |              | rank       | 247.         |
|                             |            |           |    |            |     |           |              | rank       | 284.         |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 4 | Daug. | 85 | 76,1 | Rel. | 87 % | <b>TYPE</b> | -1,38 |
|                  |             |       |       |       |    |      |      |      | rank        | 785.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,94 |    |    |   |    |    |
| Angularity            | -0,58 |    |    |   |    |    |
| Chest Width           | 0,63  |    |    |   |    |    |
| Body Depth            | 0,20  |    |    |   |    |    |
| Rump Angle            | 0,43  |    |    |   |    |    |
| Rear Legs Side View   | 0,74  |    |    |   |    |    |
| Foot Angle            | -0,33 |    |    |   |    |    |
| Fore Udder Attachment | -0,34 |    |    |   |    |    |
| Front Teat Placement  | -0,61 |    |    |   |    |    |
| Teat Length           | -1,38 |    |    |   |    |    |
| Rear Udder Height     | -0,07 |    |    |   |    |    |
| Rear Udder Width      | -0,02 |    |    |   |    |    |
| Central Ligament      | -1,35 |    |    |   |    |    |
| Udder Depth           | -1,61 |    |    |   |    |    |
| Rump Width            | 0,50  |    |    |   |    |    |
| Rear Legs Rear View   | 0,40  |    |    |   |    |    |
| Rear Teat Placement   | -0,63 |    |    |   |    |    |
| Locomotion            | -0,31 |    |    |   |    |    |
| Body Condition        | 0,04  |    |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 78,0 | <b>Frame</b> | <b>-0,54</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 76,5 | <b>Dairy Strength</b> | <b>-0,49</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 77,7 | <b>Feet &amp; Legs</b> | <b>-0,72</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 74,2 | <b>Udder</b> | <b>-1,69</b> |
|------|--------------|--------------|

|  |            |              |
|--|------------|--------------|
|  | <b>SHI</b> | <b>-26,0</b> |
|--|------------|--------------|

rank 444.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JACKPOT</b>    | <b>NL000215932608</b>             | <b>18.02.1998</b> | <b>JUL-001</b> |
| Country of origin | NL                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 09.02.1999     |
|                   |                                   | NLD               | 215932608      |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | MEADOLAKE JUBILANT-ET |
| JUBEL          |            | CA000000376455        |
| DE000505893133 | <b>PGD</b> | ELITE                 |
| JUB-016        |            | DE000503837619        |
| <b>Dam</b>     | <b>MGS</b> | MARTY RED-ET          |
| LOTJE          |            | NL000959580420        |
| NL000849216826 | <b>MGD</b> | ETAZON WARSAU         |
|                |            | NL000829423064        |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>53</b> | Daug.      | <b>108</b> | Rel.      | <b>94 %</b> | <b>SPI</b> | <b>855</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 271.        |
| <b>2328</b>                 |            |           |           | <b>138</b> |            | <b>16</b> | <b>0,19</b> | <b>SCS</b> | <b>2,68</b> |
|                             |            |           |           |            |            |           |             | rank       | 167.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>6 / 5</b> | Daug. | <b>17</b> | 75,2 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>-1,39</b> |
|                  |             |       |              |       |           |      |      | rank        | 786.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,51 |    |    |   |    |    |
| Angularity            | -1,03 |    |    |   |    |    |
| Chest Width           | 0,87  |    |    |   |    |    |
| Body Depth            | 0,36  |    |    |   |    |    |
| Rump Angle            | 0,88  |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | -0,30 |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -0,24 |    |    |   |    |    |
| Teat Length           | -1,08 |    |    |   |    |    |
| Rear Udder Height     | -0,48 |    |    |   |    |    |
| Rear Udder Width      | 0,33  |    |    |   |    |    |
| Central Ligament      | -0,99 |    |    |   |    |    |
| Udder Depth           | -0,71 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,03 |    |    |   |    |    |
| Rear Teat Placement   | -0,38 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | 1,01  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 78,5 | <b>Frame</b>           | <b>-0,24</b> |
| 74,4 | <b>Dairy Strength</b>  | <b>-1,45</b> |
| 77,3 | <b>Feet &amp; Legs</b> | <b>-1,08</b> |
| 72,8 | <b>Udder</b>           | <b>-1,27</b> |
|      | <b>SHI</b>             | <b>-29,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>JELITE RED</b> | <b>FR005994022692</b>             | <b>28.07.1994</b> | <b>MOR-007</b> |
| Country of origin | FR                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 07.07.1995     |
|                   |                                   | FRA               | 574883         |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ROBE-JAN SKYLER CHIEF          |
| MR HURL-THREE MOMENTUM RED-ET |            | US000001781631                 |
| US000002041332                | <b>PGD</b> | BURTON-HILL CAVALIER MOLLY-RED |
|                               |            | US000011021483                 |
| <b>Dam</b>                    | <b>MGS</b> | ROTHROCK TRADITION LEADMAN     |
| MASAL FEATHERS ELITE-ET       |            | US000001983348 TDN-004         |
| US000014415203                | <b>MGD</b> | REN-BOW ENHANCER FEATHER-RED   |
|                               |            | US000012426436                 |

|                             |            |           |            |            |             |           |              |            |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>125</b> | Daug.      | <b>1289</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>416</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat       | %            | rank       | 345.        |
| <b>27938</b>                |            |           |            | <b>344</b> |             | <b>-6</b> | <b>-0,36</b> | <b>SCS</b> | <b>3,26</b> |
|                             |            |           |            |            |             | <b>2</b>  | <b>-0,19</b> | rank       | 866.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 4</b> | Daug. | <b>26</b> | 75,7 | Rel. | <b>72 %</b> | <b>TYPE</b> | <b>-1,39</b> |
|                  |             |       |              |       |           |      |      | rank        | 787.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,13 |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,12 |    |    |   |    |    |
| Body Depth            | -0,27 |    |    |   |    |    |
| Rump Angle            | 1,27  |    |    |   |    |    |
| Rear Legs Side View   | -0,28 |    |    |   |    |    |
| Foot Angle            | -0,06 |    |    |   |    |    |
| Fore Udder Attachment | -0,37 |    |    |   |    |    |
| Front Teat Placement  | -0,35 |    |    |   |    |    |
| Teat Length           | -0,76 |    |    |   |    |    |
| Rear Udder Height     | 0,28  |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | -0,83 |    |    |   |    |    |
| Udder Depth           | -0,64 |    |    |   |    |    |
| Rump Width            | -0,51 |    |    |   |    |    |
| Rear Legs Rear View   | -1,53 |    |    |   |    |    |
| Rear Teat Placement   | -0,34 |    |    |   |    |    |
| Locomotion            | -0,51 |    |    |   |    |    |
| Body Condition        | 0,35  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,3 | <b>Frame</b>           | <b>-1,52</b> |
| 74,9 | <b>Dairy Strength</b>  | <b>-0,87</b> |
| 76,5 | <b>Feet &amp; Legs</b> | <b>-1,38</b> |
| 75,2 | <b>Udder</b>           | <b>-0,41</b> |
|      | <b>SHI</b>             | <b>-43,2</b> |
|      | rank                   | 494.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                      |                   |                |
|-------------------------------------|----------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number  | Birth date        | State Register |
| <b>MEDZICILIZIE HUNTER RADAN-ET</b> | <b>SK00000037853</b> | <b>30.05.1997</b> | <b>HUN-003</b> |
| Country of origin <b>SK</b>         |                      | <b>Breed</b>      | H100           |
| Distributor                         |                      | Herdbook          | HA             |
|                                     |                      | Paternity         |                |

### Pedigree

|                               |            |                              |
|-------------------------------|------------|------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ART ACRES BELL PONTIAC-ET    |
| AMELDIN II PONTIAC HUNTER-323 |            | US000001878472               |
| US000002094527                |            | PTC-001                      |
| PTC-010                       | <b>PGD</b> | FAIR-HILL ROTATE HONEY-ET    |
|                               |            | US000012680667               |
| <b>Dam</b>                    | <b>MGS</b> | MADAWASKA AEROSTAR           |
| ROTHROCK AERO DARICE-ET       |            | CA000000383622               |
| US000014606123                |            | STB-011                      |
|                               | <b>MGD</b> | HILLTOP-HANOVER-B MARK DARIA |
|                               |            | US000012908540               |

|                             |            |           |           |            |           |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-----------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>32</b> | Daug.      | <b>94</b> | Rel.     | <b>93 %</b>  | <b>SPI</b> | <b>468</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat      | %            | Prot.      | %            |
| <b>2116</b>                 |            |           |           | <b>242</b> |           | <b>1</b> | <b>-0,16</b> | <b>2</b>   | <b>-0,13</b> |
|                             |            |           |           |            |           |          |              | <b>SCS</b> | <b>3,10</b>  |
|                             |            |           |           |            |           |          |              | rank       | 334.         |
|                             |            |           |           |            |           |          |              | rank       | 672.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 7</b> | Daug. | <b>28</b> | 75,3 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-1,40</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 788.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,05 |    |    |   |    |    |
| Angularity            | -1,09 |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | -0,35 |    |    |   |    |    |
| Rear Legs Side View   | -0,10 |    |    |   |    |    |
| Foot Angle            | 0,25  |    |    |   |    |    |
| Fore Udder Attachment | 0,75  |    |    |   |    |    |
| Front Teat Placement  | 0,15  |    |    |   |    |    |
| Teat Length           | 0,08  |    |    |   |    |    |
| Rear Udder Height     | -0,75 |    |    |   |    |    |
| Rear Udder Width      | -1,31 |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | 1,03  |    |    |   |    |    |
| Rump Width            | -1,12 |    |    |   |    |    |
| Rear Legs Rear View   | -0,41 |    |    |   |    |    |
| Rear Teat Placement   | -0,15 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

76,6 **Frame** **-0,49**

72,5 **Dairy Strength** **-2,46**

75,6 **Feet & Legs** **0,10**

75,8 **Udder** **-0,77**

**SHI** **-41,7**

rank 490.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                                   |                   |                |
|---------------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number               | Birth date        | State Register |
| <b>SURE-VIEW AMERICA-RED-ET</b> | <b>US000133893623</b>             | <b>11.03.2003</b> | <b>PRX-004</b> |
| Country of origin               | US                                | <b>Breed</b>      | R100           |
| Distributor                     | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                                 |                                   | Paternity         | 05.12.2003     |
|                                 |                                   | US                | 16507A         |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | GLEN-TOCTIN JOHNSON-ET     |
| STARSTRUCK J PARADOX-RED-ET |            | US000002145651             |
| US000017286871              | <b>PGD</b> | J-DON MENTUM PILLAR-RED-ET |
|                             |            | US000015062983             |
| <b>Dam</b>                  | <b>MGS</b> | STARTMORE RUDOLPH-ET       |
| SURE-VIEW RUDLF ASPIRIN-ET  |            | CA000005470579             |
| US000017314216              | <b>MGD</b> | SURE-VIEW JUBILANT AVA     |
|                             |            | US000014720690             |

|                             |            |           |   |            |    |          |              |            |             |
|-----------------------------|------------|-----------|---|------------|----|----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 9 | Daug.      | 39 | Rel.     | 80 %         | <b>SPI</b> | 1404        |
| Number controls             |            | <b>BV</b> |   | Milk       |    | Fat      | %            | Prot.      | %           |
| <b>564</b>                  |            |           |   | <b>350</b> |    | <b>4</b> | <b>-0,18</b> | <b>13</b>  | <b>0,03</b> |
|                             |            |           |   |            |    |          |              | rank       | ...         |
|                             |            |           |   |            |    |          |              | <b>SCS</b> | <b>3,52</b> |
|                             |            |           |   |            |    |          |              | rank       | ...         |

|                  |             |       |        |       |    |      |      |      |             |       |
|------------------|-------------|-------|--------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 10 / 3 | Daug. | 20 | 79,0 | Rel. | 59 % | <b>TYPE</b> | -1,41 |
|                  |             |       |        |       |    |      |      |      | rank        | 789.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,27 |    |    |   |    |    |
| Angularity            | 0,37  |    |    |   |    |    |
| Chest Width           | -0,56 |    |    |   |    |    |
| Body Depth            | -0,11 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | 0,42  |    |    |   |    |    |
| Foot Angle            | -1,24 |    |    |   |    |    |
| Fore Udder Attachment | 0,24  |    |    |   |    |    |
| Front Teat Placement  | 0,05  |    |    |   |    |    |
| Teat Length           | -0,65 |    |    |   |    |    |
| Rear Udder Height     | 0,12  |    |    |   |    |    |
| Rear Udder Width      | -0,14 |    |    |   |    |    |
| Central Ligament      | -0,54 |    |    |   |    |    |
| Udder Depth           | -0,26 |    |    |   |    |    |
| Rump Width            | -0,56 |    |    |   |    |    |
| Rear Legs Rear View   | -0,41 |    |    |   |    |    |
| Rear Teat Placement   | -0,12 |    |    |   |    |    |
| Locomotion            | -0,13 |    |    |   |    |    |
| Body Condition        | -0,60 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,9 | <b>Frame</b>           | <b>-1,81</b> |
| 81,3 | <b>Dairy Strength</b>  | <b>-0,21</b> |
| 79,1 | <b>Feet &amp; Legs</b> | <b>-2,38</b> |
| 77,1 | <b>Udder</b>           | <b>-0,22</b> |
|      | <b>SHI</b>             | <b>-14,2</b> |
|      |                        | rank         |
|      |                        | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                             |                       |                   |                |
|-----------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register |
| <b>CIFER MICA MADRO ET</b>  | <b>SK000069260862</b> | <b>25.06.1997</b> | <b>MIC-005</b> |
| Country of origin <b>SK</b> |                       | <b>Breed</b>      | H100           |
| Distributor                 |                       | Herdbook          | HA             |
|                             |                       | Paternity         |                |

### Pedigree

|                            |            |                                |                |
|----------------------------|------------|--------------------------------|----------------|
| <b>Sire</b>                | <b>PGS</b> | ARLINDA MELWOOD-ET             |                |
| CMV MICA-ET                |            | US000001879149                 |                |
| US000002125714             | <b>PGD</b> | BRIARPATCH-R MISTY-ET          |                |
|                            |            | US000012882374                 |                |
| <b>Dam</b>                 | <b>MGS</b> | MADAWASKA AEROSTAR             |                |
| LEXVOLD AEROSTAR PRETZ9-ET |            | CA000000383622                 | <b>STB-011</b> |
| US000014788970             | <b>MGD</b> | LEXVOLD BOARD CHAIRMAN PRETZEL |                |
|                            |            | US000012191036                 |                |

|                             |            |           |           |            |           |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|-----------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.      | <b>92</b> | Rel.      | <b>92 %</b> | <b>SPI</b> | <b>224</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat       |             | rank       | 386.        |
| <b>1603</b>                 |            |           |           | <b>-43</b> |           | <b>11</b> | <b>0,22</b> | <b>SCS</b> | <b>3,09</b> |
|                             |            |           |           |            |           | <b>-0</b> | <b>0,02</b> | rank       | 656.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 13</b> | Daug. | <b>35</b> | 75,6 | Rel. | <b>73 %</b> | <b>TYPE</b> | <b>-1,42</b> |
|                  |             |       |                |       |           |      |      | rank        | 790.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,22 |    |    |   |    |    |
| Angularity            | -0,08 |    |    |   |    |    |
| Chest Width           | -0,09 |    |    |   |    |    |
| Body Depth            | -0,44 |    |    |   |    |    |
| Rump Angle            | -0,14 |    |    |   |    |    |
| Rear Legs Side View   | -0,13 |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | -0,76 |    |    |   |    |    |
| Front Teat Placement  | -1,05 |    |    |   |    |    |
| Teat Length           | 0,35  |    |    |   |    |    |
| Rear Udder Height     | -0,16 |    |    |   |    |    |
| Rear Udder Width      | 0,22  |    |    |   |    |    |
| Central Ligament      | -0,44 |    |    |   |    |    |
| Udder Depth           | -1,22 |    |    |   |    |    |
| Rump Width            | -0,41 |    |    |   |    |    |
| Rear Legs Rear View   | -0,37 |    |    |   |    |    |
| Rear Teat Placement   | -0,74 |    |    |   |    |    |
| Locomotion            | -0,01 |    |    |   |    |    |
| Body Condition        | -0,55 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,1 | <b>Frame</b>           | <b>-1,85</b> |
| 74,6 | <b>Dairy Strength</b>  | <b>-0,51</b> |
| 76,5 | <b>Feet &amp; Legs</b> | <b>0,19</b>  |
| 75,4 | <b>Udder</b>           | <b>-1,02</b> |
|      | <b>SHI</b>             | <b>-49,9</b> |
|      | rank                   | 505.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ETNA REX</b>   | <b>FR004489040027</b>             | <b>28.01.1989</b> | <b>BEX-001</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 02.08.1994     |
|                   |                                   | FRA               | GS399697       |

### Pedigree

|                            |            |                           |
|----------------------------|------------|---------------------------|
| <b>Sire</b>                | <b>PGS</b> | CARLIN-M IVANHOE BELL     |
| LUTZ-BROOKVIEW BELL REX-ET |            | US000001667366            |
| US000001875896             | <b>PGD</b> | LUTZ-BROOKVIEW BOVA ALICE |
|                            |            | US000009408721            |
| <b>Dam</b>                 | <b>MGS</b> | CAL-CLARK BOARD CHAIRMAN  |
| BIS-MAY CHAIRMAN MERRI     |            | US000001723741            |
| US0000011633203            | <b>MGD</b> | BIS-MAY JUPITER MABEL     |
|                            |            | US0000010514408           |
|                            |            | ADM-008                   |

|                             |            |           |            |            |             |             |             |              |             |
|-----------------------------|------------|-----------|------------|------------|-------------|-------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>110</b> | Daug.      | <b>1314</b> | Rel.        | <b>99 %</b> | <b>SPI</b>   | <b>516</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |             | Fat         | %           | Prot.        | %           |
| <b>24972</b>                |            |           |            | <b>112</b> | <b>9</b>    | <b>0,07</b> | <b>2</b>    | <b>-0,04</b> |             |
|                             |            |           |            |            |             |             |             | <b>SCS</b>   | <b>3,43</b> |
|                             |            |           |            |            |             |             |             | rank         | 325.        |
|                             |            |           |            |            |             |             |             | rank         | 1051.       |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 11</b> | Daug. | <b>92</b> | 75,1 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-1,42</b> |
|                  |             |       |                |       |           |      |      |             | rank        | 791.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,81 |    |    |   |    |    |
| Angularity            | -0,09 |    |    |   |    |    |
| Chest Width           | -0,49 |    |    |   |    |    |
| Body Depth            | -0,93 |    |    |   |    |    |
| Rump Angle            | -0,02 |    |    |   |    |    |
| Rear Legs Side View   | -0,22 |    |    |   |    |    |
| Foot Angle            | -0,21 |    |    |   |    |    |
| Fore Udder Attachment | -0,24 |    |    |   |    |    |
| Front Teat Placement  | 0,41  |    |    |   |    |    |
| Teat Length           | -0,99 |    |    |   |    |    |
| Rear Udder Height     | -0,20 |    |    |   |    |    |
| Rear Udder Width      | -0,24 |    |    |   |    |    |
| Central Ligament      | 0,37  |    |    |   |    |    |
| Udder Depth           | 0,03  |    |    |   |    |    |
| Rump Width            | -0,64 |    |    |   |    |    |
| Rear Legs Rear View   | -0,71 |    |    |   |    |    |
| Rear Teat Placement   | -0,09 |    |    |   |    |    |
| Locomotion            | -0,39 |    |    |   |    |    |
| Body Condition        | 0,03  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,3 | <b>Frame</b>           | <b>-1,52</b> |
| 72,7 | <b>Dairy Strength</b>  | <b>-1,07</b> |
| 75,5 | <b>Feet &amp; Legs</b> | <b>-1,71</b> |
| 75,6 | <b>Udder</b>           | <b>0,06</b>  |
|      | <b>SHI</b>             | <b>-41,2</b> |
|      | rank                   | 486.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>ELUSIVE-ET</b> | <b>SK000047053853</b>             | <b>08.12.1994</b> | <b>EVE-002</b> |
| Country of origin | SK                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 27.11.1995     |
|                   |                                   | SVK               | 0202/03        |

### Pedigree

|                               |            |                           |
|-------------------------------|------------|---------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ARLINDA ROTATE            |
| ELUSIVE ROTATE DUKE-ET        |            | US000001697572            |
| US000002027752                | <b>PGD</b> | BONWOOD VALIANT DREAM     |
| GEN-009                       |            | US000011082940            |
| <b>Dam</b>                    | <b>MGS</b> | MARSHFIELD ELEVATION TONY |
| MANSION-VALLEY TONY BERTIE-ET |            | US000001626813            |
| US000012156936                | <b>MGD</b> | WILLARDS MATT BERTHA      |
|                               |            | US000009998778            |

|                             |            |           |           |             |            |           |              |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>46</b> | Daug.       | <b>169</b> | Rel.      | <b>96 %</b>  | <b>SPI</b> | <b>-977</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |              | rank       | 639.        |
| <b>3135</b>                 |            |           |           | <b>-165</b> |            | <b>-5</b> | <b>0,02</b>  | <b>SCS</b> | <b>2,78</b> |
|                             |            |           |           |             |            | <b>-1</b> | <b>-0,11</b> | rank       | 270.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 10</b> | Daug. | <b>33</b> | 75,4 | Rel. | <b>75 %</b> | <b>TYPE</b> | <b>-1,42</b> |
|                  |             |       |                |       |           |      |      | rank        | 792.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,72 |    |    |   |    |    |
| Angularity            | -0,22 |    |    |   |    |    |
| Chest Width           | -0,48 |    |    |   |    |    |
| Body Depth            | 0,28  |    |    |   |    |    |
| Rump Angle            | 1,08  |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,31 |    |    |   |    |    |
| Fore Udder Attachment | -0,55 |    |    |   |    |    |
| Front Teat Placement  | 0,32  |    |    |   |    |    |
| Teat Length           | -0,25 |    |    |   |    |    |
| Rear Udder Height     | -0,47 |    |    |   |    |    |
| Rear Udder Width      | -0,38 |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,55 |    |    |   |    |    |
| Rump Width            | -0,23 |    |    |   |    |    |
| Rear Legs Rear View   | -0,50 |    |    |   |    |    |
| Rear Teat Placement   | -0,01 |    |    |   |    |    |
| Locomotion            | 0,25  |    |    |   |    |    |
| Body Condition        | -0,07 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,7 | <b>Frame</b>           | <b>-1,11</b> |
| 73,4 | <b>Dairy Strength</b>  | <b>-0,69</b> |
| 75,8 | <b>Feet &amp; Legs</b> | <b>-1,02</b> |
| 75,5 | <b>Udder</b>           | <b>-0,94</b> |
|      | <b>SHI</b>             | <b>-86,3</b> |
|      | rank                   | 587.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>DUALLYN</b>    | <b>HU002301315384</b> | <b>23.09.1983</b> | <b>DUL-002</b> |
| Country of origin | HU                    | <b>Breed</b>      | R100           |
| Distributor       | Maďarsko              | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                           |            |                                |
|---------------------------|------------|--------------------------------|
| <b>Sire</b>               | <b>PGS</b> | STRICKLER PRINCE DON           |
| STRICKLER DON,DUALLYN-RED |            | US000001516342                 |
| US000001599084            | <b>PGD</b> | E-STRICKLER CRITER.,BLAZE      |
|                           |            | US000006887693                 |
| <b>Dam</b>                | <b>MGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| 2301.URAN                 |            | US000001629391                 |
| HU001538402301            | <b>MGD</b> | 993.URAN                       |
|                           |            | HU001538400993                 |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>122</b> | Daug.       | <b>1108</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3238</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 1121.        |
| <b>20134</b>                |            |           |            | <b>-715</b> |             | <b>-28</b> | <b>-0,02</b> | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |            |             |             | <b>-23</b> | <b>-0,03</b> | rank       | 743.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>42</b> | 73,6 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-1,43</b> |
|                  |             |       |              |       |           |      |      | rank        | 793.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,07 |    |    |   |    |    |
| Angularity            | -0,70 |    |    |   |    |    |
| Chest Width           | 0,67  |    |    |   |    |    |
| Body Depth            | 0,44  |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | 0,34  |    |    |   |    |    |
| Foot Angle            | -0,70 |    |    |   |    |    |
| Fore Udder Attachment | -0,57 |    |    |   |    |    |
| Front Teat Placement  | -0,19 |    |    |   |    |    |
| Teat Length           | 0,02  |    |    |   |    |    |
| Rear Udder Height     | -0,80 |    |    |   |    |    |
| Rear Udder Width      | -0,39 |    |    |   |    |    |
| Central Ligament      | -0,02 |    |    |   |    |    |
| Udder Depth           | -0,81 |    |    |   |    |    |
| Rump Width            | 0,29  |    |    |   |    |    |
| Rear Legs Rear View   | 0,07  |    |    |   |    |    |
| Rear Teat Placement   | 0,01  |    |    |   |    |    |
| Locomotion            | 0,06  |    |    |   |    |    |
| Body Condition        | 0,55  |    |    |   |    |    |

daught. average

73,3 **Frame** **-0,87**

70,5 **Dairy Strength** **-0,86**

74,4 **Feet & Legs** **-1,45**

75,0 **Udder** **-0,94**

**SHI** **-154,7**

rank 651.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>AMIGO</b>      | <b>DE000015218915</b>             | <b>17.12.1991</b> | <b>ARS-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         |                |

### Pedigree

|                    |            |                      |
|--------------------|------------|----------------------|
| <b>Sire</b>        | <b>PGS</b> | HANOVERHILL STARBUCK |
| MADAWASKA AEROSTAR |            | CA000000352790       |
| CA000000383622     | <b>PGD</b> | MADAWASKA SHADY      |
| STB-011            |            | CA0000003511527      |
| <b>Dam</b>         | <b>MGS</b> | ADLER                |
| MEIKE              |            | DE001004435155       |
| DE001015052287     | <b>MGD</b> | MEIKE                |
|                    |            | DE001004547094       |

|                             |            |           |            |             |             |           |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>317</b> | Daug.       | <b>4841</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-1066</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       | %            | Prot.      | %            |
| <b>97210</b>                |            |           |            | <b>-218</b> |             | <b>-8</b> | <b>-0,01</b> | <b>-8</b>  | <b>-0,04</b> |
|                             |            |           |            |             |             |           |              | <b>SCS</b> | <b>3,06</b>  |
|                             |            |           |            |             |             |           |              | rank       | 662.         |
|                             |            |           |            |             |             |           |              | rank       | 608.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>74 / 39</b> | Daug. | <b>447</b> | 75,9 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-1,44</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 794.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,32 |    |    |   |    |    |
| Angularity            | 0,13  |    |    |   |    |    |
| Chest Width           | -0,58 |    |    |   |    |    |
| Body Depth            | -0,33 |    |    |   |    |    |
| Rump Angle            | -0,11 |    |    |   |    |    |
| Rear Legs Side View   | 0,05  |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | -0,28 |    |    |   |    |    |
| Front Teat Placement  | -1,54 |    |    |   |    |    |
| Teat Length           | 0,51  |    |    |   |    |    |
| Rear Udder Height     | -0,40 |    |    |   |    |    |
| Rear Udder Width      | -0,50 |    |    |   |    |    |
| Central Ligament      | 0,16  |    |    |   |    |    |
| Udder Depth           | -0,03 |    |    |   |    |    |
| Rump Width            | -0,56 |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -0,39 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | -0,00 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,3 | <b>Frame</b>           | <b>-0,87</b> |
| 74,4 | <b>Dairy Strength</b>  | <b>-0,16</b> |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-1,16</b> |
| 75,4 | <b>Udder</b>           | <b>-1,43</b> |
|      | <b>SHI</b>             | <b>-89,6</b> |
|      | rank                   | 591.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>MASCOT ET</b>  | <b>DE000021220716</b>             | <b>13.09.1992</b> | <b>MAS-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 25.01.1993     |
|                   |                                   | DEU               | 93/1119        |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | WHITTIER-FARMS NED BOY         |
| SINGING-BROOK N-BOY MASCOT-ET |            | US000001806201                 |
| US000002020049                | <b>PGD</b> | JACKBUILT CHAIRMAN MANDY       |
| NBV-011                       |            | US000011356580                 |
| <b>Dam</b>                    | <b>MGS</b> | HANOVER-HILL TRIPLE THREAT-RED |
| DANIELA                       |            | US000001629391                 |
| DE001020664668                | <b>MGD</b> | DESIREE                        |
|                               |            | DE001020448852                 |

|                             |            |           |           |             |            |           |              |              |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|--------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.       | <b>608</b> | Rel.      | <b>99 %</b>  | <b>SPI</b>   | <b>-833</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       | %            | rank         | 609.        |
| <b>11163</b>                |            |           |           | <b>-194</b> |            | <b>-8</b> | <b>-0,02</b> | <b>Prot.</b> | <b>5</b>    |
|                             |            |           |           |             |            |           | <b>0,01</b>  | <b>SCS</b>   | <b>3,00</b> |
|                             |            |           |           |             |            |           |              | rank         | 536.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 6</b> | Daug. | <b>40</b> | 76,4 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-1,45</b> |
|                  |             |       |               |       |           |      |      | rank        | 795.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,35 |    |    |   |    |    |
| Angularity            | -0,11 |    |    |   |    |    |
| Chest Width           | -0,34 |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | -0,13 |    |    |   |    |    |
| Rear Legs Side View   | 0,36  |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | 0,62  |    |    |   |    |    |
| Teat Length           | -0,59 |    |    |   |    |    |
| Rear Udder Height     | -0,17 |    |    |   |    |    |
| Rear Udder Width      | -0,55 |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -0,29 |    |    |   |    |    |
| Rump Width            | -0,55 |    |    |   |    |    |
| Rear Legs Rear View   | -1,41 |    |    |   |    |    |
| Rear Teat Placement   | 0,31  |    |    |   |    |    |
| Locomotion            | -0,22 |    |    |   |    |    |
| Body Condition        | 0,20  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,2 | <b>Frame</b>           | <b>-2,00</b> |
| 74,7 | <b>Dairy Strength</b>  | <b>-0,82</b> |
| 76,0 | <b>Feet &amp; Legs</b> | <b>-1,98</b> |
| 77,0 | <b>Udder</b>           | <b>0,14</b>  |
|      | <b>SHI</b>             | <b>-83,0</b> |
|      | rank                   | 579.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>RUDI</b>       | <b>DE000609695599</b>             | <b>03.08.1990</b> | <b>RY-001</b>         |
| Country of origin | DE                                | <b>Breed</b>      | R100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 14.10.1991            |
|                   |                                   | DEU               | 91/13189              |

### Pedigree

|                        |            |                             |
|------------------------|------------|-----------------------------|
| <b>Sire</b>            | <b>PGS</b> | COLDSPRINGS ELEVATION FAGIN |
| LATUCH FAGIN RUSTY RED |            | US000001689839              |
| US000001892411         | <b>PGD</b> | LATUCH FAYNE PENSTATE       |
|                        |            | US000009298268              |
| <b>Dam</b>             | <b>MGS</b> | ANKER                       |
| CIANKE 243             |            | DE009010369937              |
| DE000607277499         | <b>MGD</b> | CITRONE 102                 |
|                        |            | DE001008200630              |

|                             |            |           |            |             |             |            |             |            |             |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>164</b> | Daug.       | <b>2338</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-813</b> |
| Number controls             |            | <b>BV</b> |            | <b>Milk</b> |             | <b>Fat</b> |             | rank       | 603.        |
| <b>47333</b>                |            |           |            | <b>-346</b> |             | <b>1</b>   | <b>0,27</b> | <b>SCS</b> | <b>2,91</b> |
|                             |            |           |            |             |             | <b>-5</b>  | <b>0,12</b> | rank       | 405.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>19 / 9</b> | Daug. | <b>97</b> | 75,8 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-1,50</b> |
|                  |             |       |               |       |           |      |      | rank        | 796.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,34 |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | -0,13 |    |    |   |    |    |
| Body Depth            | 0,30  |    |    |   |    |    |
| Rump Angle            | 0,33  |    |    |   |    |    |
| Rear Legs Side View   | 0,55  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,57 |    |    |   |    |    |
| Front Teat Placement  | -0,77 |    |    |   |    |    |
| Teat Length           | -1,04 |    |    |   |    |    |
| Rear Udder Height     | -0,42 |    |    |   |    |    |
| Rear Udder Width      | 0,10  |    |    |   |    |    |
| Central Ligament      | -1,32 |    |    |   |    |    |
| Udder Depth           | -1,20 |    |    |   |    |    |
| Rump Width            | -0,65 |    |    |   |    |    |
| Rear Legs Rear View   | 0,02  |    |    |   |    |    |
| Rear Teat Placement   | -1,22 |    |    |   |    |    |
| Locomotion            | -0,19 |    |    |   |    |    |
| Body Condition        | -0,21 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,0 | <b>Frame</b>           | <b>-0,32</b> |
| 74,6 | <b>Dairy Strength</b>  | <b>-1,21</b> |
| 77,6 | <b>Feet &amp; Legs</b> | <b>-0,16</b> |
| 74,0 | <b>Udder</b>           | <b>-2,01</b> |
|      | <b>SHI</b>             | <b>-84,5</b> |
|      | rank                   | 584.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                    |                                   |                   |                |
|--------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>   | Registration number               | Birth date        | State Register |
| <b>UENK TORINO</b> | <b>NL000438994357</b>             | <b>26.02.2006</b> | <b>GOG-001</b> |
| Country of origin  | NL                                | <b>Breed</b>      | R100           |
| Distributor        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                    |                                   | Paternity         | 29.06.2006     |
|                    |                                   | NL                | 142011         |

### Pedigree

|                |            |                       |
|----------------|------------|-----------------------|
| <b>Sire</b>    | <b>PGS</b> | DELTA ELDORADO        |
| TOPSPEED GOGO  |            | NL000190571881        |
| NL000240295769 | <b>PGD</b> | CRYSTAL TOPSPEED GINY |
|                |            | NL000164821217        |
| <b>Dam</b>     | <b>MGS</b> | LIGHTNING             |
| LONIA 95       |            | NL000170475222        |
| NL000358983509 | <b>MGD</b> | APINA MASSIA 14       |
|                |            | NL000203537453        |

|                             |            |           |           |             |             |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>66</b> | Daug.       | <b>1840</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1306</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |             | Fat        | %            | rank       | 714.         |
| <b>31342</b>                |            |           |           | <b>-452</b> |             | <b>-22</b> | <b>-0,12</b> | <b>SCS</b> | <b>3,04</b>  |
|                             |            |           |           |             |             | <b>-1</b>  | <b>0,30</b>  | rank       | 587.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>23 / 9</b> | Daug. | <b>297</b> | 79,0 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-1,53</b> |
|                  |             |       |               |       |            |      |      | rank        | 797.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,77 |    |    |   |    |    |
| Angularity            | -0,71 |    |    |   |    |    |
| Chest Width           | 0,24  |    |    |   |    |    |
| Body Depth            | 0,41  |    |    |   |    |    |
| Rump Angle            | 0,65  |    |    |   |    |    |
| Rear Legs Side View   | -0,33 |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | -0,44 |    |    |   |    |    |
| Front Teat Placement  | 0,10  |    |    |   |    |    |
| Teat Length           | -0,55 |    |    |   |    |    |
| Rear Udder Height     | -0,73 |    |    |   |    |    |
| Rear Udder Width      | 0,04  |    |    |   |    |    |
| Central Ligament      | -1,86 |    |    |   |    |    |
| Udder Depth           | -1,51 |    |    |   |    |    |
| Rump Width            | 0,42  |    |    |   |    |    |
| Rear Legs Rear View   | 0,36  |    |    |   |    |    |
| Rear Teat Placement   | -1,32 |    |    |   |    |    |
| Locomotion            | 0,41  |    |    |   |    |    |
| Body Condition        | 0,69  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 82,9 | <b>Frame</b>           | <b>-0,42</b>  |
| 80,4 | <b>Dairy Strength</b>  | <b>-1,17</b>  |
| 81,0 | <b>Feet &amp; Legs</b> | <b>-0,39</b>  |
| 75,4 | <b>Udder</b>           | <b>-2,18</b>  |
|      | <b>SHI</b>             | <b>-100,8</b> |
|      | rank                   | 604.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>CESAR-ET</b>  | <b>CZ000045702386</b> | <b>01.04.1998</b> | <b>CAS-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | CZ                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 22.04.1999 |
|                   |                                   | CSK          | 4704/33    |

### Pedigree

|                            |            |                              |
|----------------------------|------------|------------------------------|
| <b>Sire</b>                | <b>PGS</b> | SKALSUMER SUNNY BOY-ET       |
| EASTLAND CASH              |            | NL000311651443               |
| NL000775328514             | <b>PGD</b> | EASTLAND GOLDEN ET           |
| SUB-005                    |            | NL000514152714               |
| <b>Dam</b>                 | <b>MGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| COOKSVALLEY-ML CARLOTTA-ET |            | US000001874634               |
| US000015013632             | <b>MGD</b> | COOKSVALLEY-ML CARLA-ET      |
|                            |            | US000014299129               |

|                             |            |           |    |       |     |      |      |            |      |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 46 | Daug. | 105 | Rel. | 94 % | <b>SPI</b> | 639  |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %    |
| 2174                        |            |           |    | -141  |     | 12   | 0,33 | 8          | 0,27 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,16 |
|                             |            |           |    |       |     |      |      | rank       | 311. |
|                             |            |           |    |       |     |      |      | rank       | 732. |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 10 | Daug. | 20 | 75,9 | Rel. | 65 % | <b>TYPE</b> | -1,54 |
|                  |             |       |         |       |    |      |      |      | rank        | 798.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,19 |    |    |   |    |    |
| Angularity            | -0,42 |    |    |   |    |    |
| Chest Width           | 0,14  |    |    |   |    |    |
| Body Depth            | -0,34 |    |    |   |    |    |
| Rump Angle            | 0,63  |    |    |   |    |    |
| Rear Legs Side View   | 0,10  |    |    |   |    |    |
| Foot Angle            | 0,14  |    |    |   |    |    |
| Fore Udder Attachment | 0,10  |    |    |   |    |    |
| Front Teat Placement  | -0,77 |    |    |   |    |    |
| Teat Length           | 0,80  |    |    |   |    |    |
| Rear Udder Height     | -0,56 |    |    |   |    |    |
| Rear Udder Width      | -0,63 |    |    |   |    |    |
| Central Ligament      | -0,90 |    |    |   |    |    |
| Udder Depth           | 0,21  |    |    |   |    |    |
| Rump Width            | -0,87 |    |    |   |    |    |
| Rear Legs Rear View   | -0,15 |    |    |   |    |    |
| Rear Teat Placement   | -0,36 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | 0,34  |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,7 | <b>Frame</b>           | -0,50 |
| 74,9 | <b>Dairy Strength</b>  | -0,89 |
| 77,3 | <b>Feet &amp; Legs</b> | -0,49 |
| 74,2 | <b>Udder</b>           | -1,61 |
|      | <b>SHI</b>             | -42,2 |
|      | rank                   | 492.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>MAIN-ET</b>    | <b>DE001020592826</b> | <b>26.07.1987</b> | <b>WLK-012</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                    |            |                               |
|--------------------|------------|-------------------------------|
| <b>Sire</b>        | <b>PGS</b> | PAWNEE FARM ARLINDA CHIEF     |
| WALKWAY CHIEF MARK |            | US000001427381                |
| US000001773417     | <b>PGD</b> | WALKWAY MATT MAMIE            |
|                    |            | US000008309147                |
| <b>Dam</b>         | <b>MGS</b> | ROUND OAK RAG APPLE ELEVATION |
| GREETJE            |            | US000001491007                |
| DE001008176844     | <b>MGD</b> | GRETCHEN                      |
|                    |            | DE001005205273                |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>255</b> | Daug.       | <b>3163</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3344</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 1146.        |
| <b>62838</b>                |            |           |            | <b>-798</b> |             | <b>-23</b> | <b>0,15</b>  | <b>SCS</b> | <b>3,02</b>  |
|                             |            |           |            |             |             | <b>-25</b> | <b>-0,01</b> | rank       | 564.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>34 / 25</b> | Daug. | <b>314</b> | 75,4 | Rel. | <b>96 %</b> | <b>TYPE</b> | <b>-1,56</b> |
|                  |             |       |                |       |            |      |      | rank        | 799.        |              |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,70 | [Bar chart] |    |   |    |    |
| Angularity            | -0,64 | [Bar chart] |    |   |    |    |
| Chest Width           | 0,47  | [Bar chart] |    |   |    |    |
| Body Depth            | 0,36  | [Bar chart] |    |   |    |    |
| Rump Angle            | -0,34 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,55  | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,45 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,10 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,54 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,11  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,21 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,02 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,34 | [Bar chart] |    |   |    |    |
| Udder Depth           | -0,90 | [Bar chart] |    |   |    |    |
| Rump Width            | 0,61  | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,59 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,19 | [Bar chart] |    |   |    |    |
| Locomotion            | -0,06 | [Bar chart] |    |   |    |    |
| Body Condition        | 0,17  | [Bar chart] |    |   |    |    |

daught. average

|      |              |              |
|------|--------------|--------------|
| 75,0 | <b>Frame</b> | <b>-1,49</b> |
|------|--------------|--------------|

|      |                       |              |
|------|-----------------------|--------------|
| 72,9 | <b>Dairy Strength</b> | <b>-0,86</b> |
|------|-----------------------|--------------|

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Feet &amp; Legs</b> | <b>-2,24</b> |
|------|------------------------|--------------|

|      |              |              |
|------|--------------|--------------|
| 76,3 | <b>Udder</b> | <b>-0,37</b> |
|------|--------------|--------------|

|  |            |               |
|--|------------|---------------|
|  | <b>SHI</b> | <b>-163,2</b> |
|  | rank       | 657.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>ASOCA GENI</b> | <b>FR003585025740</b> | <b>21.06.1985</b> | <b>GES-001</b> |
| Country of origin | FR                    | <b>Breed</b>      | H100           |
| Distributor       | Švajčiarsko           | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                       |            |                           |
|-----------------------|------------|---------------------------|
| <b>Sire</b>           | <b>PGS</b> | FLEETRIDGE MONITOR        |
| SUN-KOTA GENIE,GENIUS |            | US000001432733            |
| US000001734212        | <b>PGD</b> | TIDY SUN-KOTA CHIEF,GENIE |
|                       |            | US000007593833            |
| <b>Dam</b>            | <b>MGS</b> | S-W-D VALIANT             |
| VIDJALIAN             |            | US000001650414            |
| FR003583051425        | <b>MGD</b> | SIDJA 920                 |
|                       |            | FR003581040920            |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>83</b> | Daug.       | <b>588</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3015</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1082.        |
| <b>12218</b>                |            |           |           | <b>-744</b> |            | <b>-27</b> | <b>0,02</b> | <b>SCS</b> | <b>3,66</b>  |
|                             |            |           |           |             |            | <b>-19</b> | <b>0,09</b> | rank       | 1185.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>18</b> | 74,1 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-1,56</b> |
|                  |             |       |              |       |           |      |      | rank        | 800.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,44 |    |    |   |    |    |
| Angularity            | -0,71 |    |    |   |    |    |
| Chest Width           | 0,53  |    |    |   |    |    |
| Body Depth            | -0,09 |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | 0,27  |    |    |   |    |    |
| Foot Angle            | -0,26 |    |    |   |    |    |
| Fore Udder Attachment | -0,69 |    |    |   |    |    |
| Front Teat Placement  | -1,12 |    |    |   |    |    |
| Teat Length           | -0,23 |    |    |   |    |    |
| Rear Udder Height     | -0,80 |    |    |   |    |    |
| Rear Udder Width      | -0,70 |    |    |   |    |    |
| Central Ligament      | -0,01 |    |    |   |    |    |
| Udder Depth           | -0,65 |    |    |   |    |    |
| Rump Width            | 0,32  |    |    |   |    |    |
| Rear Legs Rear View   | 0,22  |    |    |   |    |    |
| Rear Teat Placement   | -0,88 |    |    |   |    |    |
| Locomotion            | 0,04  |    |    |   |    |    |
| Body Condition        | 0,58  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,7 | <b>Frame</b>           | <b>-0,28</b>  |
| 70,3 | <b>Dairy Strength</b>  | <b>-1,47</b>  |
| 74,8 | <b>Feet &amp; Legs</b> | <b>-0,37</b>  |
| 75,3 | <b>Udder</b>           | <b>-1,70</b>  |
|      | <b>SHI</b>             | <b>-153,4</b> |
|      | rank                   | 648.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                     |                       |                   |                |
|-------------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                    | Registration number   | Birth date        | State Register |
| <b>CLOVER-MIST RED,POWERPACK-ET</b> | <b>US000002078484</b> | <b>01.06.1988</b> | <b>CNR-003</b> |
| Country of origin <b>US</b>         |                       | <b>Breed</b>      | R100           |
| Distributor                         |                       | Herdbook          | HA             |
|                                     |                       | Paternity         | 01.05.1989     |
|                                     |                       | USA               | IG 123602C     |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | CA-LILL STANDOUT CAVALIER  |
| HOWARD-HOME CAVEMAN-RED     |            | US000001620273             |
| US000001842371              | <b>PGD</b> | HOWARD-HOME TRIPLE JAE RED |
| <b>CRR-004</b>              |            | US000009613867             |
| <b>Dam</b>                  | <b>MGS</b> | GLENAFTON ENHANCER         |
| CLOVER-MATT-WEST,BRIDGET-ET |            | CA000000343514             |
| US000011831011              | <b>MGD</b> | MAPLE-NOTCH BOLD,BEAUTY    |
|                             |            | US000010058183             |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 27 | Daug. | 88  | Rel. | 93 %  | <b>SPI</b> | -3221      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>2216</b>                 |            |           |    | -772  | -25 | 0,08 | -23   | 0,03       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 588.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 2 | Daug. | 23 | 74,4 | Rel. | 62 % | <b>TYPE</b> | -1,56 |
|                  |             |       |       |       |    |      |      |      | rank        | 801.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,94 |    |    |   |    |    |
| Angularity            | -0,89 |    |    |   |    |    |
| Chest Width           | 0,36  |    |    |   |    |    |
| Body Depth            | 0,56  |    |    |   |    |    |
| Rump Angle            | -0,41 |    |    |   |    |    |
| Rear Legs Side View   | 0,00  |    |    |   |    |    |
| Foot Angle            | 0,00  |    |    |   |    |    |
| Fore Udder Attachment | -0,58 |    |    |   |    |    |
| Front Teat Placement  | -0,77 |    |    |   |    |    |
| Teat Length           | -0,22 |    |    |   |    |    |
| Rear Udder Height     | -0,18 |    |    |   |    |    |
| Rear Udder Width      | 0,07  |    |    |   |    |    |
| Central Ligament      | -1,07 |    |    |   |    |    |
| Udder Depth           | -0,49 |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,19 |    |    |   |    |    |
| Rear Teat Placement   | -1,00 |    |    |   |    |    |
| Locomotion            | -0,05 |    |    |   |    |    |
| Body Condition        | 0,22  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 74,6 | <b>Frame</b>           | -0,87  |
| 70,3 | <b>Dairy Strength</b>  | -1,76  |
| 76,5 | <b>Feet &amp; Legs</b> | -0,74  |
| 75,3 | <b>Udder</b>           | -1,17  |
|      | <b>SHI</b>             | -159,7 |
|      | rank                   | ...    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                                 |                            |                   |                |
|---------------------------------|----------------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number        | Birth date        | State Register |
| <b>CIFER BELLWOOD BRANDY-ET</b> | <b>SK000069220862</b>      | <b>07.05.1997</b> | <b>BW-005</b>  |
| Country of origin               | SK                         | <b>Breed</b>      | H100           |
| Distributor                     | Rolnicke druzstvo v Ciferi | Herdbook          | HA             |
|                                 |                            | Paternity         |                |

### Pedigree

|                         |            |                               |
|-------------------------|------------|-------------------------------|
| <b>Sire</b>             | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| MAIZEFIELD BELLWOOD-ET  |            | US000001879149                |
| US000002103297          | <b>PGD</b> | BREN-WAY BELL BETSY           |
| MEW-004                 |            | US000012052401                |
| <b>Dam</b>              | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| WYSSLAWN MASCOT LANA-ET |            | US000002020049                |
| US000014909450          | <b>MGD</b> | VRIEZLAND TMB LORIE-ET        |
|                         |            | US000014317087                |

|                             |            |           |            |           |             |          |             |            |              |
|-----------------------------|------------|-----------|------------|-----------|-------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>261</b> | Daug.     | <b>4493</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>83</b>    |
| Number controls             |            | <b>BV</b> |            | Milk      |             | Fat      | %           | Prot.      | %            |
| <b>84982</b>                |            |           |            | <b>62</b> |             | <b>6</b> | <b>0,06</b> | <b>-3</b>  | <b>-0,10</b> |
|                             |            |           |            |           |             |          |             | rank       | 412.         |
|                             |            |           |            |           |             |          |             | <b>SCS</b> | <b>3,07</b>  |
|                             |            |           |            |           |             |          |             | rank       | 626.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>61 / 28</b> | Daug. | <b>240</b> | 77,4 | Rel. | <b>95 %</b> | <b>TYPE</b> | <b>-1,59</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 802.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,97 |    |    |   |    |    |
| Angularity            | 0,09  |    |    |   |    |    |
| Chest Width           | -1,14 |    |    |   |    |    |
| Body Depth            | -0,61 |    |    |   |    |    |
| Rump Angle            | 0,22  |    |    |   |    |    |
| Rear Legs Side View   | 0,58  |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | -0,25 |    |    |   |    |    |
| Front Teat Placement  | -0,43 |    |    |   |    |    |
| Teat Length           | 0,89  |    |    |   |    |    |
| Rear Udder Height     | 0,24  |    |    |   |    |    |
| Rear Udder Width      | 0,20  |    |    |   |    |    |
| Central Ligament      | -0,50 |    |    |   |    |    |
| Udder Depth           | -0,65 |    |    |   |    |    |
| Rump Width            | -0,47 |    |    |   |    |    |
| Rear Legs Rear View   | -0,92 |    |    |   |    |    |
| Rear Teat Placement   | -0,83 |    |    |   |    |    |
| Locomotion            | -0,53 |    |    |   |    |    |
| Body Condition        | -0,69 |    |    |   |    |    |

daught. average

78,8 **Frame** **-1,90**

77,9 **Dairy Strength** **-1,07**

76,9 **Feet & Legs** **-2,00**

76,6 **Udder** **-0,33**

**SHI** **-61,2**

rank 533.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>TUNNEL-ET</b>  | <b>DE000533316662</b>             | <b>09.05.2000</b> | <b>PEL-018</b>        |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 22.05.2000            |
|                   |                                   | DEU               | 00/7128               |

### Pedigree

|                     |            |                       |
|---------------------|------------|-----------------------|
| <b>Sire</b>         | <b>PGS</b> | RONNYBROOK PRELUDE-ET |
| OLMO PRELUDE TUGOLO |            | CA000000392457        |
| IT000908017670      | <b>PGD</b> | OLMO BLACKSTAR ELENA  |
|                     |            | IT000907006755        |
| <b>Dam</b>          | <b>MGS</b> | WA-DEL RC MATT-ET     |
| CHANEL 75           |            | US000002118528        |
| DE000532256152      | <b>MGD</b> | CHRISSI 29            |
|                     |            | DE000729609293        |

|                             |            |           |           |           |           |           |                |            |             |
|-----------------------------|------------|-----------|-----------|-----------|-----------|-----------|----------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>38</b> | Daug.     | <b>79</b> | Rel.      | <b>91 %</b>    | <b>SPI</b> | <b>660</b>  |
| Number controls             |            | <b>BV</b> |           | Milk      |           | Fat       | %              | rank       | 308.        |
| <b>1485</b>                 |            |           |           | <b>37</b> |           | <b>22</b> | <b>0,37</b>    | <b>SCS</b> | <b>3,24</b> |
|                             |            |           |           |           |           |           | <b>0 -0,03</b> | rank       | 839.        |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 6</b> | Daug. | <b>11</b> | 74,7 | Rel. | <b>47 %</b> | <b>TYPE</b> | <b>-1,61</b> |
|                  |             |       |              |       |           |      |      | rank        | 803.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,85 |    |    |   |    |    |
| Angularity            | -0,44 |    |    |   |    |    |
| Chest Width           | -0,24 |    |    |   |    |    |
| Body Depth            | -0,29 |    |    |   |    |    |
| Rump Angle            | 0,03  |    |    |   |    |    |
| Rear Legs Side View   | 0,23  |    |    |   |    |    |
| Foot Angle            | 0,01  |    |    |   |    |    |
| Fore Udder Attachment | -0,90 |    |    |   |    |    |
| Front Teat Placement  | -0,56 |    |    |   |    |    |
| Teat Length           | 0,20  |    |    |   |    |    |
| Rear Udder Height     | -0,67 |    |    |   |    |    |
| Rear Udder Width      | -0,68 |    |    |   |    |    |
| Central Ligament      | -0,69 |    |    |   |    |    |
| Udder Depth           | -0,11 |    |    |   |    |    |
| Rump Width            | 0,13  |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | 0,38  |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | -0,01 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,5 | <b>Frame</b>           | <b>-1,26</b> |
| 74,5 | <b>Dairy Strength</b>  | <b>-0,95</b> |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-0,12</b> |
| 72,6 | <b>Udder</b>           | <b>-1,56</b> |
|      | <b>SHI</b>             | <b>-44,5</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BOSPORUS</b>   | <b>DE000346334518</b>      | <b>05.10.2001</b> | <b>MNL-015</b>        |
| Country of origin | DE                         | <b>Breed</b>      | H100                  |
| Distributor       | INSEMAS s.r.o.             | Herdbook          | HA                    |
|                   |                            | Paternity         | 12.11.2001            |
|                   |                            | DEU               | 01/12705              |

### Pedigree

|                        |            |                          |
|------------------------|------------|--------------------------|
| <b>Sire</b>            | <b>PGS</b> | LUTZ-MEADOWS E MANDEL-ET |
| B-Y-U MANDEL BOMBAY-ET |            | US000002119526           |
| US000002292218         | <b>PGD</b> | B-Y-U GLOW BRIGITTE      |
|                        |            | US000014689001           |
| <b>Dam</b>             | <b>MGS</b> | STARTMORE RUDOLPH-ET     |
| PATRICI 220            |            | CA000005470579           |
| DE000341866537         | <b>MGD</b> | PATSY 77                 |
|                        |            | DE001021073067           |

|                             |            |           |    |       |     |       |      |            |             |
|-----------------------------|------------|-----------|----|-------|-----|-------|------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 43 | Daug. | 205 | Rel.  | 96 % | <b>SPI</b> | 266         |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat   | %    | Prot.      | %           |
| <b>4183</b>                 |            |           |    | 220   | -1  | -0,19 | 0    | -0,15      | <b>SCS</b>  |
|                             |            |           |    |       |     |       |      |            | rank        |
|                             |            |           |    |       |     |       |      |            | 376.        |
|                             |            |           |    |       |     |       |      |            | <b>rank</b> |
|                             |            |           |    |       |     |       |      |            | 173.        |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 6 | Daug. | 26 | 76,8 | Rel. | 66 % | <b>TYPE</b> | -1,62 |
|                  |             |       |       |       |    |      |      |      | rank        | 804.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,99 |    |    |   |    |    |
| Angularity            | 0,62  |    |    |   |    |    |
| Chest Width           | -0,40 |    |    |   |    |    |
| Body Depth            | -0,03 |    |    |   |    |    |
| Rump Angle            | -0,57 |    |    |   |    |    |
| Rear Legs Side View   | 0,66  |    |    |   |    |    |
| Foot Angle            | -0,29 |    |    |   |    |    |
| Fore Udder Attachment | -0,41 |    |    |   |    |    |
| Front Teat Placement  | 0,66  |    |    |   |    |    |
| Teat Length           | -0,16 |    |    |   |    |    |
| Rear Udder Height     | -0,52 |    |    |   |    |    |
| Rear Udder Width      | -0,66 |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,35 |    |    |   |    |    |
| Rump Width            | -0,02 |    |    |   |    |    |
| Rear Legs Rear View   | -0,20 |    |    |   |    |    |
| Rear Teat Placement   | 0,22  |    |    |   |    |    |
| Locomotion            | -0,15 |    |    |   |    |    |
| Body Condition        | -0,59 |    |    |   |    |    |

daught. average

|      |                        |       |
|------|------------------------|-------|
| 78,3 | <b>Frame</b>           | -1,48 |
| 79,0 | <b>Dairy Strength</b>  | 0,93  |
| 76,5 | <b>Feet &amp; Legs</b> | -0,89 |
| 75,0 | <b>Udder</b>           | -1,81 |
|      | <b>SHI</b>             | -56,8 |
|      | rank                   | 524.  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PIRAUS-ET</b>  | <b>SK000022231857</b>             | <b>13.06.1989</b> | <b>PS-023</b>  |
| Country of origin | SK                                | <b>Breed</b>      | H62,5 N25,0    |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HB             |
|                   |                                   | Paternity         | 24.10.1989     |
|                   |                                   | SVK               | 4257/31        |

### Pedigree

|                |            |                |
|----------------|------------|----------------|
| <b>Sire</b>    | <b>PGS</b> | PIRAEUS        |
| PIRAUS         |            | DE009010361820 |
| SK006721978803 | <b>PGD</b> |                |
| PS-005         |            | SK000067219803 |
| <b>Dam</b>     | <b>MGS</b> | RUMBA          |
|                |            | HU004380062501 |
| SK000066892827 | <b>MGD</b> |                |
|                |            | SK000024972827 |

|                             |            |           |           |             |            |             |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.       | <b>61</b>  | Rel.        | <b>90 %</b> | <b>SPI</b> | <b>-3146</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank       | 1101.        |
| <b>984</b>                  |            |           |           | <b>-792</b> | <b>-23</b> | <b>0,14</b> | <b>-22</b>  | <b>SCS</b> | <b>2,73</b>  |
|                             |            |           |           |             |            |             |             | rank       | 215.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 4</b> | Daug. | <b>14</b> | 75,4 | Rel. | <b>53 %</b> | <b>TYPE</b> | <b>-1,63</b> |
|                  |             |       |              |       |           |      |      | rank        | 805.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,71 |    |    |   |    |    |
| Angularity            | -1,10 |    |    |   |    |    |
| Chest Width           | 0,85  |    |    |   |    |    |
| Body Depth            | 0,39  |    |    |   |    |    |
| Rump Angle            | -0,51 |    |    |   |    |    |
| Rear Legs Side View   | 0,19  |    |    |   |    |    |
| Foot Angle            | -0,19 |    |    |   |    |    |
| Fore Udder Attachment | -0,51 |    |    |   |    |    |
| Front Teat Placement  | -0,75 |    |    |   |    |    |
| Teat Length           | 0,51  |    |    |   |    |    |
| Rear Udder Height     | -0,94 |    |    |   |    |    |
| Rear Udder Width      | -0,45 |    |    |   |    |    |
| Central Ligament      | -0,18 |    |    |   |    |    |
| Udder Depth           | -0,61 |    |    |   |    |    |
| Rump Width            | 0,02  |    |    |   |    |    |
| Rear Legs Rear View   | -0,51 |    |    |   |    |    |
| Rear Teat Placement   | -0,61 |    |    |   |    |    |
| Locomotion            | 0,05  |    |    |   |    |    |
| Body Condition        | 0,45  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,1 | <b>Frame</b>           | <b>-0,24</b>  |
| 72,4 | <b>Dairy Strength</b>  | <b>-2,00</b>  |
| 75,6 | <b>Feet &amp; Legs</b> | <b>-0,75</b>  |
| 78,1 | <b>Udder</b>           | <b>-1,35</b>  |
|      | <b>SHI</b>             | <b>-160,0</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>HANEK-ET</b>   | <b>SK000047054853</b>             | <b>10.12.1994</b> | <b>HAC-001</b>        |
| Country of origin | SK                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 27.11.1995            |
|                   |                                   | SVK               | 0202/04               |

### Pedigree

|                          |            |                           |
|--------------------------|------------|---------------------------|
| <b>Sire</b>              | <b>PGS</b> | RUANN GOLDEN NUGGET KLARK |
| LA-POE K HARDTAC-ET      |            | US000001829881            |
| US000002073505           | <b>PGD</b> | LA-POE B C HONESTY        |
| KLK-002                  |            | US000011895858            |
| <b>Dam</b>               | <b>MGS</b> | CURTMAID EMERALD TARGET   |
| LOOK-UP TARGET SALENA-ET |            | US000002030882            |
| US000014904503           | <b>MGD</b> | LONG-HAVEN SOUTH SUGAR-ET |
|                          |            | US000014145056            |

|                             |            |           |    |       |     |      |      |            |       |
|-----------------------------|------------|-----------|----|-------|-----|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 57 | Daug. | 145 | Rel. | 95 % | <b>SPI</b> | -2522 |
| Number controls             |            | <b>BV</b> |    | Milk  |     | Fat  | %    | Prot.      | %     |
| 2672                        |            |           |    | -600  |     | -17  | 0,12 | -19        | -0,02 |
|                             |            |           |    |       |     |      |      | <b>SCS</b> | 3,65  |
|                             |            |           |    |       |     |      |      | rank       | 1182. |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 7 | Daug. | 10 | 75,2 | Rel. | 60 % | <b>TYPE</b> | -1,65 |
|                  |             |       |       |       |    |      |      |      | rank        | 806.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,66 |    |    |   |    |    |
| Angularity            | -0,32 |    |    |   |    |    |
| Chest Width           | 0,07  |    |    |   |    |    |
| Body Depth            | -0,41 |    |    |   |    |    |
| Rump Angle            | 0,18  |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,02 |    |    |   |    |    |
| Fore Udder Attachment | -0,76 |    |    |   |    |    |
| Front Teat Placement  | -0,74 |    |    |   |    |    |
| Teat Length           | 0,16  |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | -0,57 |    |    |   |    |    |
| Central Ligament      | 0,07  |    |    |   |    |    |
| Udder Depth           | -0,30 |    |    |   |    |    |
| Rump Width            | -0,17 |    |    |   |    |    |
| Rear Legs Rear View   | -0,59 |    |    |   |    |    |
| Rear Teat Placement   | -0,58 |    |    |   |    |    |
| Locomotion            | -0,46 |    |    |   |    |    |
| Body Condition        | 0,14  |    |    |   |    |    |

daught. average

76,0 **Frame** -0,78

72,8 **Dairy Strength** -0,75

76,9 **Feet & Legs** -1,44

75,5 **Udder** -0,99

**SHI** -142,0

rank ...

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                       |                   |                |
|---------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number   | Birth date        | State Register |
| <b>JONKERS FARM REDMO</b> | <b>NL000862343541</b> | <b>13.11.1994</b> | <b>MOR-002</b> |
| Country of origin         | NL                    | <b>Breed</b>      | R100           |
| Distributor               |                       | Herdbook          | HA             |
|                           |                       | Paternity         |                |

### Pedigree

|                               |            |                                |
|-------------------------------|------------|--------------------------------|
| <b>Sire</b>                   | <b>PGS</b> | ROBE-JAN SKYLER CHIEF          |
| MR HURL-THREE MOMENTUM RED-ET |            | US000001781631                 |
| US000002041332                | <b>PGD</b> | BURTON-HILL CAVALIER MOLLY-RED |
|                               |            | US000011021483                 |
| <b>Dam</b>                    | <b>MGS</b> | GLENAFTON ENHANCER             |
| VISIONS ENHANCE ROSE RED-ET   |            | CA000000343514                 |
| US000013539553                | <b>MGD</b> | KILDEE CAVALIER POLLY-ET       |
|                               |            | US000010257391                 |

|                             |            |           |            |            |            |           |              |            |              |
|-----------------------------|------------|-----------|------------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>131</b> | Daug.      | <b>880</b> | Rel.      | <b>99 %</b>  | <b>SPI</b> | <b>-992</b>  |
| Number controls             |            | <b>BV</b> |            | Milk       |            | Fat       | %            | Prot.      | %            |
| <b>18099</b>                |            |           |            | <b>-84</b> |            | <b>-1</b> | <b>-0,13</b> | <b>-1</b>  | <b>-0,16</b> |
|                             |            |           |            |            |            |           |              | <b>SCS</b> | <b>3,22</b>  |
|                             |            |           |            |            |            |           |              | rank       | 643.         |
|                             |            |           |            |            |            |           |              | rank       | 815.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>8 / 5</b> | Daug. | <b>38</b> | 75,1 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>-1,66</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 807.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,14 |    |    |   |    |    |
| Angularity            | -0,84 |    |    |   |    |    |
| Chest Width           | 0,57  |    |    |   |    |    |
| Body Depth            | 0,48  |    |    |   |    |    |
| Rump Angle            | 0,21  |    |    |   |    |    |
| Rear Legs Side View   | 0,14  |    |    |   |    |    |
| Foot Angle            | -1,10 |    |    |   |    |    |
| Fore Udder Attachment | -0,34 |    |    |   |    |    |
| Front Teat Placement  | -0,13 |    |    |   |    |    |
| Teat Length           | -1,25 |    |    |   |    |    |
| Rear Udder Height     | -0,30 |    |    |   |    |    |
| Rear Udder Width      | 0,25  |    |    |   |    |    |
| Central Ligament      | 0,00  |    |    |   |    |    |
| Udder Depth           | -1,57 |    |    |   |    |    |
| Rump Width            | 0,36  |    |    |   |    |    |
| Rear Legs Rear View   | -0,59 |    |    |   |    |    |
| Rear Teat Placement   | -0,10 |    |    |   |    |    |
| Locomotion            | -0,38 |    |    |   |    |    |
| Body Condition        | 0,08  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Frame</b>           | <b>-0,77</b> |
| 73,9 | <b>Dairy Strength</b>  | <b>-1,34</b> |
| 75,1 | <b>Feet &amp; Legs</b> | <b>-2,42</b> |
| 74,7 | <b>Udder</b>           | <b>-0,72</b> |
|      | <b>SHI</b>             | <b>-96,2</b> |
|      | rank                   | 599.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>PARNAC</b>     | <b>FR002199029911</b>             | <b>10.12.1999</b> | <b>BEL-021</b> |
| Country of origin | FR                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 26.06.2000     |
|                   |                                   | FRA               | GS771811       |

### Pedigree

|                   |            |                              |
|-------------------|------------|------------------------------|
| <b>Sire</b>       | <b>PGS</b> | HOW-EL-ACRES KIRK BELLMAN-ET |
| WELCOME GIDEON-ET |            | US000001874634               |
| US000002213641    | <b>PGD</b> | WELCOME MELWOOD GIFT         |
|                   |            | US000013912090               |
| <b>Dam</b>        | <b>MGS</b> | MAIZEFIELD BELLWOOD-ET       |
| MELODIE           |            | US000002103297               |
| FR003596000327    | <b>MGD</b> | POTTERS-FIELD MCOT JAN-ET    |
|                   |            | US000014971994               |

|                             |            |           |           |            |           |          |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|-----------|----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>34</b> | Daug.      | <b>86</b> | Rel.     | <b>92 %</b>  | <b>SPI</b> | <b>960</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |           | Fat      |              | rank       | 249.         |
| <b>1803</b>                 |            |           |           | <b>243</b> |           | <b>7</b> | <b>-0,05</b> | <b>7</b>   | <b>-0,02</b> |
|                             |            |           |           |            |           |          |              | <b>SCS</b> | <b>3,30</b>  |
|                             |            |           |           |            |           |          |              | rank       | 915.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>9 / 7</b> | Daug. | <b>20</b> | 76,5 | Rel. | <b>61 %</b> | <b>TYPE</b> | <b>-1,67</b> |
|                  |             |       |              |       |           |      |      | rank        | 808.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,18 |    |    |   |    |    |
| Angularity            | 0,05  |    |    |   |    |    |
| Chest Width           | -0,00 |    |    |   |    |    |
| Body Depth            | -0,69 |    |    |   |    |    |
| Rump Angle            | -0,54 |    |    |   |    |    |
| Rear Legs Side View   | 1,66  |    |    |   |    |    |
| Foot Angle            | -0,43 |    |    |   |    |    |
| Fore Udder Attachment | -1,06 |    |    |   |    |    |
| Front Teat Placement  | -0,96 |    |    |   |    |    |
| Teat Length           | -0,44 |    |    |   |    |    |
| Rear Udder Height     | -0,09 |    |    |   |    |    |
| Rear Udder Width      | 0,31  |    |    |   |    |    |
| Central Ligament      | 0,61  |    |    |   |    |    |
| Udder Depth           | -1,41 |    |    |   |    |    |
| Rump Width            | -0,77 |    |    |   |    |    |
| Rear Legs Rear View   | -0,57 |    |    |   |    |    |
| Rear Teat Placement   | 0,08  |    |    |   |    |    |
| Locomotion            | -0,55 |    |    |   |    |    |
| Body Condition        | -0,35 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 77,0 | <b>Frame</b>           | <b>-1,93</b> |
| 78,1 | <b>Dairy Strength</b>  | <b>-0,36</b> |
| 74,7 | <b>Feet &amp; Legs</b> | <b>-2,13</b> |
| 76,6 | <b>Udder</b>           | <b>-0,16</b> |
|      | <b>SHI</b>             | <b>-37,9</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



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|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>CLOWN-ET</b>  | <b>DE001015147348</b> | <b>01.07.1989</b> | <b>CLE-024</b> |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | H100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 03.10.1989 |
|                   |                | DEU          | 89/10218   |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | SWEET-HAVEN TRADITION   |
| BIS-MAY TRADITION CLEITUS |            | US000001682485          |
| US000001879085            | <b>PGD</b> | BIS-MAY CONDUCTOR CORAL |
| CLE-003                   |            | US000010192628          |
| <b>Dam</b>                | <b>MGS</b> | PUGET-SOUND SHEIK       |
| ORA                       |            | CA000000327279          |
| DE001004561134            | <b>MGD</b> | ORTRUD                  |
|                           |            | DE001004396588          |

|                             |            |           |           |            |            |           |             |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>28</b> | Daug.      | <b>328</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>834</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       | %           | Prot.      | %            |
| <b>6964</b>                 |            |           |           | <b>200</b> |            | <b>11</b> | <b>0,05</b> | <b>4</b>   | <b>-0,05</b> |
|                             |            |           |           |            |            |           |             | <b>SCS</b> | <b>2,55</b>  |
|                             |            |           |           |            |            |           |             | rank       | 275.         |
|                             |            |           |           |            |            |           |             | rank       | 92.          |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 8</b> | Daug. | <b>72</b> | 76,5 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>-1,68</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 809.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,22 |    |    |   |    |    |
| Angularity            | -0,03 |    |    |   |    |    |
| Chest Width           | -0,28 |    |    |   |    |    |
| Body Depth            | -0,80 |    |    |   |    |    |
| Rump Angle            | 0,87  |    |    |   |    |    |
| Rear Legs Side View   | 0,80  |    |    |   |    |    |
| Foot Angle            | -1,00 |    |    |   |    |    |
| Fore Udder Attachment | 0,15  |    |    |   |    |    |
| Front Teat Placement  | -0,47 |    |    |   |    |    |
| Teat Length           | -0,63 |    |    |   |    |    |
| Rear Udder Height     | 0,15  |    |    |   |    |    |
| Rear Udder Width      | -0,58 |    |    |   |    |    |
| Central Ligament      | -0,09 |    |    |   |    |    |
| Udder Depth           | 0,35  |    |    |   |    |    |
| Rump Width            | -0,16 |    |    |   |    |    |
| Rear Legs Rear View   | -0,69 |    |    |   |    |    |
| Rear Teat Placement   | -0,24 |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | -0,19 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,8 | <b>Frame</b>           | <b>-1,80</b> |
| 76,6 | <b>Dairy Strength</b>  | <b>-0,70</b> |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-2,36</b> |
| 76,4 | <b>Udder</b>           | <b>-0,15</b> |
|      | <b>SHI</b>             | <b>-42,2</b> |
|      | rank                   | 493.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>PFEFFER</b>    | <b>DE001020025561</b>             | <b>28.03.1982</b> | <b>SH-002</b>         |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         |                       |

### Pedigree

|                                     |            |  |
|-------------------------------------|------------|--|
| <b>Sire</b>                         | <b>PGS</b> | PROVIN MTN IVANHOE JEWEL<br>US000001393997 |
| PUGET-SOUND SHEIK<br>CA000000327279 | <b>PGD</b> | PUGET-SOUND FOND SHEILA<br>US000007893959  |
| <b>Dam</b>                          | <b>MGS</b> | BOND HAVEN ROYALSTAD<br>CA000000314415     |
| OPERETTE<br>DE001007229431          | <b>MGD</b> | ORCHIDEE<br>DE001005226401                 |

|                             |            |           |            |              |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|--------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>163</b> | Daug.        | <b>1139</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-4083</b> |
| Number controls             |            | <b>BV</b> |            | Milk         |             | Fat        | %           | Prot.      | %            |
| <b>18089</b>                |            |           |            | <b>-1056</b> |             | <b>-29</b> | <b>0,25</b> | <b>-28</b> | <b>0,11</b>  |
|                             |            |           |            |              |             |            |             | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |            |              |             |            |             | rank       | 1268.        |
|                             |            |           |            |              |             |            |             | rank       | 739.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 4</b> | Daug. | <b>38</b> | 75,0 | Rel. | <b>87 %</b> | <b>TYPE</b> | <b>-1,73</b> |
|                  |             |       |              |       |           |      |      |             | rank        | 810.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,88 |    |    |   |    |    |
| Angularity            | -0,26 |    |    |   |    |    |
| Chest Width           | 0,39  |    |    |   |    |    |
| Body Depth            | 0,00  |    |    |   |    |    |
| Rump Angle            | -0,27 |    |    |   |    |    |
| Rear Legs Side View   | 0,17  |    |    |   |    |    |
| Foot Angle            | 0,05  |    |    |   |    |    |
| Fore Udder Attachment | -0,78 |    |    |   |    |    |
| Front Teat Placement  | -1,12 |    |    |   |    |    |
| Teat Length           | 1,12  |    |    |   |    |    |
| Rear Udder Height     | -0,19 |    |    |   |    |    |
| Rear Udder Width      | -1,11 |    |    |   |    |    |
| Central Ligament      | -0,94 |    |    |   |    |    |
| Udder Depth           | -0,05 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,17 |    |    |   |    |    |
| Rear Teat Placement   | -1,25 |    |    |   |    |    |
| Locomotion            | 0,08  |    |    |   |    |    |
| Body Condition        | 0,23  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,0 | <b>Frame</b>           | <b>-0,88</b>  |
| 73,6 | <b>Dairy Strength</b>  | <b>-0,04</b>  |
| 76,0 | <b>Feet &amp; Legs</b> | <b>-0,32</b>  |
| 75,4 | <b>Udder</b>           | <b>-2,59</b>  |
|      | <b>SHI</b>             | <b>-192,2</b> |
|      | rank                   | 667.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                                |                       |                   |                |
|--------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>               | Registration number   | Birth date        | State Register |
| <b>CIFER INFINITY LUBEL-ET</b> | <b>SK000069218862</b> | <b>06.05.1997</b> | <b>IN-001</b>  |
| Country of origin <b>SK</b>    |                       | <b>Breed</b>      | H100           |
| Distributor                    |                       | Herdbook          | HA             |
|                                |                       | Paternity         | ...            |

### Pedigree

|                       |            |                            |
|-----------------------|------------|----------------------------|
| <b>Sire</b>           | <b>PGS</b> | BIS-MAY TRADITION CLEITUS  |
| ROBTHOM INFINITY      |            | US000001879085             |
| US000002113769        |            | CLE-003                    |
| CLE-014               | <b>PGD</b> | ROBTHOM IVORY MARK         |
|                       |            | US000012489857             |
| <b>Dam</b>            | <b>MGS</b> | LUTZ-BROOKVIEW BELL REX-ET |
| JAFRAL B REX MABEL-ET |            | US000001875896             |
| US000013917280        | <b>MGD</b> | JAFRAL NED BOY BARBIE-ET   |
|                       |            | US000012741651             |

|                             |            |           |           |            |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>49</b> | Daug.      | <b>114</b> | Rel.      | <b>94 %</b> | <b>SPI</b> | <b>955</b>  |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |             | rank       | 253.        |
| <b>2218</b>                 |            |           |           | <b>221</b> |            | <b>12</b> | <b>0,05</b> | <b>SCS</b> | <b>3,01</b> |
|                             |            |           |           |            |            |           |             | rank       | 555.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 11</b> | Daug. | <b>21</b> | 75,1 | Rel. | <b>63 %</b> | <b>TYPE</b> | <b>-1,74</b> |
|                  |             |       |                |       |           |      |      | rank        | 811.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,60 |    |    |   |    |    |
| Angularity            | -0,04 |    |    |   |    |    |
| Chest Width           | -0,42 |    |    |   |    |    |
| Body Depth            | -0,74 |    |    |   |    |    |
| Rump Angle            | 0,19  |    |    |   |    |    |
| Rear Legs Side View   | -0,00 |    |    |   |    |    |
| Foot Angle            | -0,69 |    |    |   |    |    |
| Fore Udder Attachment | 0,64  |    |    |   |    |    |
| Front Teat Placement  | -0,87 |    |    |   |    |    |
| Teat Length           | -0,29 |    |    |   |    |    |
| Rear Udder Height     | 0,31  |    |    |   |    |    |
| Rear Udder Width      | -0,35 |    |    |   |    |    |
| Central Ligament      | -0,80 |    |    |   |    |    |
| Udder Depth           | 0,40  |    |    |   |    |    |
| Rump Width            | -0,33 |    |    |   |    |    |
| Rear Legs Rear View   | 0,34  |    |    |   |    |    |
| Rear Teat Placement   | -0,41 |    |    |   |    |    |
| Locomotion            | -0,07 |    |    |   |    |    |
| Body Condition        | -0,06 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 75,4 | <b>Frame</b>           | <b>-2,52</b> |
| 73,1 | <b>Dairy Strength</b>  | <b>-0,72</b> |
| 76,4 | <b>Feet &amp; Legs</b> | <b>-0,49</b> |
| 75,6 | <b>Udder</b>           | <b>-0,65</b> |
|      | <b>SHI</b>             | <b>-40,8</b> |
|      | rank                   | ...          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                              |                                   |              |                |
|------------------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>             | Registration number               | Birth date   | State Register |
| <b>FEEDERLANE BENSON RED</b> | <b>CA00000383305</b>              | 22.12.1984   | <b>HVR-001</b> |
| Country of origin            | CA                                | <b>Breed</b> | R100           |
| Distributor                  | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                              |                                   | Paternity    |                |

### Pedigree

|  |            |  |
|--|------------|--|
| <b>Sire</b>                                      | <b>PGS</b> | ROYBROOK TELSTAR<br>CA000000288790             |
| HANOVER-HILL TRIPLE THREAT-RED<br>US000001629391 | <b>PGD</b> | TARA-HILLS PRIDE LUCKY BARB<br>US000006681758  |
| <b>Dam</b>                                       | <b>MGS</b> | TRAILYND BEAU<br>CA000000330640                |
| FEEDERLANE BEAU,BLOSSOM RED<br>CA000003009036    | <b>MGD</b> | WILSON ACRES,CENTURION TRUDY<br>CA000002830519 |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>484</b> | Daug.       | <b>8866</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3719</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %           | Prot.      | %            |
| <b>163704</b>               |            |           |            | <b>-888</b> |             | <b>-29</b> | <b>0,09</b> | <b>-26</b> | <b>0,03</b>  |
|                             |            |           |            |             |             |            |             | <b>SCS</b> | <b>2,57</b>  |
|                             |            |           |            |             |             |            |             | rank       | 103.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>30 / 25</b> | Daug. | <b>326</b> | 73,8 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-1,74</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 812.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,09 |    |    |   |    |    |
| Angularity            | -0,85 |    |    |   |    |    |
| Chest Width           | 0,18  |    |    |   |    |    |
| Body Depth            | 0,42  |    |    |   |    |    |
| Rump Angle            | 0,20  |    |    |   |    |    |
| Rear Legs Side View   | 0,21  |    |    |   |    |    |
| Foot Angle            | -0,52 |    |    |   |    |    |
| Fore Udder Attachment | -0,33 |    |    |   |    |    |
| Front Teat Placement  | -0,65 |    |    |   |    |    |
| Teat Length           | -0,09 |    |    |   |    |    |
| Rear Udder Height     | -0,71 |    |    |   |    |    |
| Rear Udder Width      | -0,74 |    |    |   |    |    |
| Central Ligament      | -1,17 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | 0,80  |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | -1,25 |    |    |   |    |    |
| Locomotion            | -0,14 |    |    |   |    |    |
| Body Condition        | 0,85  |    |    |   |    |    |

daught. average

75,3 **Frame** **0,25**

70,4 **Dairy Strength** **-1,58**

75,5 **Feet & Legs** **-1,72**

74,0 **Udder** **-2,24**

**SHI** **-181,8**

rank 663.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BAZI-ET</b>    | <b>DE001020902198</b>             | <b>16.02.1990</b> | <b>BS-022</b>         |
| Country of origin | DE                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 16.03.1990            |
|                   |                                   | DEU               | 90/4595               |

### Pedigree

|                     |            |                           |
|---------------------|------------|---------------------------|
| <b>Sire</b>         | <b>PGS</b> | CAL-CLARK BOARD CHAIRMAN  |
| TO-MAR BLACKSTAR-ET |            | US000001723741            |
| US000001929410      | <b>PGD</b> | TO-MAR WAYNE HAY          |
| CHR-002             |            | US000009804790            |
| <b>Dam</b>          | <b>MGS</b> | PAWNEE FARM ARLINDA CHIEF |
| DIANA               |            | US000001427381            |
| DE001020083404      | <b>MGD</b> | DISTA                     |
|                     |            | DE001008170979            |

|                             |            |           |     |       |      |      |      |            |       |
|-----------------------------|------------|-----------|-----|-------|------|------|------|------------|-------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 175 | Daug. | 2233 | Rel. | 99 % | <b>SPI</b> | -2135 |
| Number controls             |            | <b>BV</b> |     | Milk  |      | Fat  | %    | Prot.      | %     |
| <b>41821</b>                |            |           |     | -447  |      | -15  | 0,03 | -17        | -0,08 |
|                             |            |           |     |       |      |      |      | <b>SCS</b> | 3,04  |
|                             |            |           |     |       |      |      |      | rank       | 584.  |

|                  |             |       |         |       |     |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|-----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 47 / 28 | Daug. | 210 | 75,7 | Rel. | 95 % | <b>TYPE</b> | -1,79 |
|                  |             |       |         |       |     |      |      |      | rank        | 813.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,45 |    |    |   |    |    |
| Angularity            | -0,01 |    |    |   |    |    |
| Chest Width           | -0,10 |    |    |   |    |    |
| Body Depth            | -0,60 |    |    |   |    |    |
| Rump Angle            | -0,16 |    |    |   |    |    |
| Rear Legs Side View   | 0,74  |    |    |   |    |    |
| Foot Angle            | -0,64 |    |    |   |    |    |
| Fore Udder Attachment | -0,26 |    |    |   |    |    |
| Front Teat Placement  | -0,13 |    |    |   |    |    |
| Teat Length           | 0,68  |    |    |   |    |    |
| Rear Udder Height     | -0,27 |    |    |   |    |    |
| Rear Udder Width      | -0,31 |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | -0,76 |    |    |   |    |    |
| Rump Width            | 0,04  |    |    |   |    |    |
| Rear Legs Rear View   | -1,04 |    |    |   |    |    |
| Rear Teat Placement   | 0,25  |    |    |   |    |    |
| Locomotion            | -0,25 |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 76,6 | <b>Frame</b>           | -1,86  |
| 74,1 | <b>Dairy Strength</b>  | -0,25  |
| 76,2 | <b>Feet &amp; Legs</b> | -2,85  |
| 75,7 | <b>Udder</b>           | -0,57  |
|      | <b>SHI</b>             | -136,0 |
|      | rank                   | 636.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>IMPRESSIVE</b> | <b>NL000406554403</b> | <b>11.06.1996</b> | <b>CSR-001</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | NL                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 15.08.1996 |
|                   |                                   | NLD          | 96/10776   |

### Pedigree

|                |            |                                |
|----------------|------------|--------------------------------|
| <b>Sire</b>    | <b>PGS</b> | HOWARD-HOME CAVEMAN-RED        |
| CARISTO-ET     |            | US000001842371                 |
| DE001014076120 |            | CRR-004                        |
| CNR-006        | <b>PGD</b> | NEHLS-VALLEY NED CHRISTINA-RED |
|                |            | US000010043938                 |
| <b>Dam</b>     | <b>MGS</b> | ANKER                          |
| MYLADY 1       |            | DE009010369937                 |
| DE001014065357 | <b>MGD</b> | MAREIKE 140                    |
|                |            | DE001004576314                 |

|                             |            |           |           |             |            |           |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|-----------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>36</b> | Daug.       | <b>533</b> | Rel.      | <b>98 %</b> | <b>SPI</b> | <b>-949</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat       |             | rank       | 632.        |
| <b>11388</b>                |            |           |           | <b>-473</b> |            | <b>7</b>  | <b>0,50</b> | <b>SCS</b> | <b>3,23</b> |
|                             |            |           |           |             |            | <b>-7</b> | <b>0,17</b> | rank       | 827.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 9</b> | Daug. | <b>80</b> | 76,9 | Rel. | <b>86 %</b> | <b>TYPE</b> | <b>-1,81</b> |
|                  |             |       |               |       |           |      |      | rank        | 814.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,08  |    |    |   |    |    |
| Angularity            | -0,52 |    |    |   |    |    |
| Chest Width           | 1,12  |    |    |   |    |    |
| Body Depth            | 0,64  |    |    |   |    |    |
| Rump Angle            | -0,87 |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,11 |    |    |   |    |    |
| Fore Udder Attachment | -1,12 |    |    |   |    |    |
| Front Teat Placement  | 0,16  |    |    |   |    |    |
| Teat Length           | 0,15  |    |    |   |    |    |
| Rear Udder Height     | -2,00 |    |    |   |    |    |
| Rear Udder Width      | -1,24 |    |    |   |    |    |
| Central Ligament      | -1,13 |    |    |   |    |    |
| Udder Depth           | -1,01 |    |    |   |    |    |
| Rump Width            | 0,64  |    |    |   |    |    |
| Rear Legs Rear View   | -0,53 |    |    |   |    |    |
| Rear Teat Placement   | -0,56 |    |    |   |    |    |
| Locomotion            | -0,40 |    |    |   |    |    |
| Body Condition        | 0,46  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 81,3 | <b>Frame</b>           | <b>0,80</b>   |
| 77,7 | <b>Dairy Strength</b>  | <b>-0,12</b>  |
| 77,7 | <b>Feet &amp; Legs</b> | <b>-1,60</b>  |
| 73,8 | <b>Udder</b>           | <b>-3,59</b>  |
|      | <b>SHI</b>             | <b>-101,1</b> |
|      | rank                   | 605.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>STELFO</b>     | <b>DE001020497695</b>             | 16.07.1986   | <b>STB-009</b> |
| Country of origin | DE                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    |                |

### Pedigree

|                      |            |                               |
|----------------------|------------|-------------------------------|
| <b>Sire</b>          | <b>PGS</b> | ROUND OAK RAG APPLE ELEVATION |
| HANOVERHILL STARBUCK |            | US000001491007                |
| CA000000352790       | <b>PGD</b> | ANACRES ASTRONAUT IVANHOE     |
|                      |            | US000008018046                |
| <b>Dam</b>           | <b>MGS</b> | TAYSIDE PABST ROCKMAN         |
| LIANA                |            | CA000000289318                |
| DE001006237581       | <b>MGD</b> | LISSI                         |
|                      |            | DE001006192440                |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>452</b> | Daug.       | <b>8676</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2836</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1052.        |
| <b>170650</b>               |            |           |            | <b>-772</b> |             | <b>-19</b> | <b>0,22</b> | <b>SCS</b> | <b>3,09</b>  |
|                             |            |           |            |             |             |            |             | rank       | 647.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>81 / 53</b> | Daug. | <b>507</b> | 75,3 | Rel. | <b>98 %</b> | <b>TYPE</b> | <b>-1,82</b> |
|                  |             |       |                |       |            |      |      | rank        | 815.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,12 |    |    |   |    |    |
| Angularity            | -0,51 |    |    |   |    |    |
| Chest Width           | 0,44  |    |    |   |    |    |
| Body Depth            | -0,17 |    |    |   |    |    |
| Rump Angle            | -0,11 |    |    |   |    |    |
| Rear Legs Side View   | 0,30  |    |    |   |    |    |
| Foot Angle            | -0,45 |    |    |   |    |    |
| Fore Udder Attachment | -1,01 |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | 0,61  |    |    |   |    |    |
| Rear Udder Height     | -0,83 |    |    |   |    |    |
| Rear Udder Width      | -0,43 |    |    |   |    |    |
| Central Ligament      | -0,39 |    |    |   |    |    |
| Udder Depth           | -1,40 |    |    |   |    |    |
| Rump Width            | -0,11 |    |    |   |    |    |
| Rear Legs Rear View   | -0,31 |    |    |   |    |    |
| Rear Teat Placement   | -0,50 |    |    |   |    |    |
| Locomotion            | -0,28 |    |    |   |    |    |
| Body Condition        | 0,64  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,1 | <b>Frame</b>           | <b>-1,07</b>  |
| 72,7 | <b>Dairy Strength</b>  | <b>-0,91</b>  |
| 76,4 | <b>Feet &amp; Legs</b> | <b>-1,61</b>  |
| 76,1 | <b>Udder</b>           | <b>-1,65</b>  |
|      | <b>SHI</b>             | <b>-158,4</b> |
|      | rank                   | 654.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TRAMP</b>      | <b>DE001020352580</b> | <b>06.05.1985</b> | <b>TRN-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                             |            |                        |
|-----------------------------|------------|------------------------|
| <b>Sire</b>                 | <b>PGS</b> | WAPA ARLINDA CONDUCTOR |
| SIR CAL-CLARK NITE TRAIN-ET |            | US000001583197         |
| US000001764564              | <b>PGD</b> | CAL-CLARK PREMIER      |
|                             |            | US000009067751         |
| <b>Dam</b>                  | <b>MGS</b> | ROYBROOK STARLITE      |
| BLUTE                       |            | CA000000308691         |
| DE001007299961              | <b>MGD</b> | BETTY                  |
|                             |            | DE001006211686         |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>159</b> | Daug.       | <b>1713</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3008</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1081.        |
| <b>31131</b>                |            |           |            | <b>-816</b> |             | <b>-15</b> | <b>0,35</b> | <b>SCS</b> | <b>2,68</b>  |
|                             |            |           |            |             |             | <b>-23</b> | <b>0,06</b> | rank       | 165.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>17 / 13</b> | Daug. | <b>151</b> | 74,6 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-1,85</b> |
|                  |             |       |                |       |            |      |      | rank        | 816.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,55 |    |    |   |    |    |
| Angularity            | -0,65 |    |    |   |    |    |
| Chest Width           | 0,06  |    |    |   |    |    |
| Body Depth            | -0,26 |    |    |   |    |    |
| Rump Angle            | 0,11  |    |    |   |    |    |
| Rear Legs Side View   | 0,65  |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,42 |    |    |   |    |    |
| Front Teat Placement  | -0,51 |    |    |   |    |    |
| Teat Length           | -0,32 |    |    |   |    |    |
| Rear Udder Height     | -0,38 |    |    |   |    |    |
| Rear Udder Width      | -0,76 |    |    |   |    |    |
| Central Ligament      | -0,38 |    |    |   |    |    |
| Udder Depth           | -0,17 |    |    |   |    |    |
| Rump Width            | 0,19  |    |    |   |    |    |
| Rear Legs Rear View   | -0,80 |    |    |   |    |    |
| Rear Teat Placement   | -0,98 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,0 | <b>Frame</b>           | <b>-0,72</b>  |
| 72,0 | <b>Dairy Strength</b>  | <b>-1,67</b>  |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-1,08</b>  |
| 75,0 | <b>Udder</b>           | <b>-1,67</b>  |
|      | <b>SHI</b>             | <b>-164,6</b> |
|      | rank                   | 659.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                  |                       |                   |                |
|----------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                 | Registration number   | Birth date        | State Register |
| <b>CIFER BELLWOOD SINBELL-ET</b> | <b>SK000069257862</b> | <b>22.06.1997</b> | <b>BW-006</b>  |
| Country of origin <b>SK</b>      |                       | <b>Breed</b>      | H100           |
| Distributor                      |                       | Herdbook          | HA             |
|                                  |                       | Paternity         |                |

### Pedigree

|                         |            |                               |
|-------------------------|------------|-------------------------------|
| <b>Sire</b>             | <b>PGS</b> | ARLINDA MELWOOD-ET            |
| MAIZEFIELD BELLWOOD-ET  |            | US000001879149                |
| US000002103297          | <b>PGD</b> | BREN-WAY BELL BETSY           |
| <b>MEW-004</b>          |            | US000012052401                |
| <b>Dam</b>              | <b>MGS</b> | SINGING-BROOK N-BOY MASCOT-ET |
| WYSSLAWN MASCOT LANA-ET |            | US000002020049 <b>NBY-011</b> |
| US000014909450          | <b>MGD</b> | VRIEZLAND TMB LORIE-ET        |
|                         |            | US000014317087                |

|                             |                   |                 |                 |                  |            |              |
|-----------------------------|-------------------|-----------------|-----------------|------------------|------------|--------------|
| <b>Milk production data</b> | <b>SK 10/2017</b> | Herds <b>48</b> | Daug. <b>99</b> | Rel. <b>92 %</b> | <b>SPI</b> | <b>136</b>   |
| Number controls             | <b>BV</b>         | Milk            | Fat             | %                | Prot.      | %            |
| <b>1891</b>                 |                   | <b>63</b>       | <b>4</b>        | <b>0,01</b>      | <b>-1</b>  | <b>-0,06</b> |
|                             |                   |                 |                 |                  | rank       | 400.         |
|                             |                   |                 |                 |                  | <b>SCS</b> | <b>2,86</b>  |
|                             |                   |                 |                 |                  | rank       | 353.         |

|                  |                    |                      |                 |             |                  |             |              |
|------------------|--------------------|----------------------|-----------------|-------------|------------------|-------------|--------------|
| <b>Type data</b> | <b>SHA 11/2017</b> | Herds <b>13 / 10</b> | Daug. <b>21</b> | <b>75,7</b> | Rel. <b>67 %</b> | <b>TYPE</b> | <b>-1,85</b> |
|                  |                    |                      |                 |             |                  | rank        | 817.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | 0,00  |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -1,21 |    |    |   |    |    |
| Body Depth            | -0,33 |    |    |   |    |    |
| Rump Angle            | -0,22 |    |    |   |    |    |
| Rear Legs Side View   | 0,95  |    |    |   |    |    |
| Foot Angle            | -0,10 |    |    |   |    |    |
| Fore Udder Attachment | -0,65 |    |    |   |    |    |
| Front Teat Placement  | -0,11 |    |    |   |    |    |
| Teat Length           | 0,05  |    |    |   |    |    |
| Rear Udder Height     | -0,14 |    |    |   |    |    |
| Rear Udder Width      | -0,27 |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | -0,16 |    |    |   |    |    |
| Rump Width            | -0,57 |    |    |   |    |    |
| Rear Legs Rear View   | -0,68 |    |    |   |    |    |
| Rear Teat Placement   | -0,40 |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | -0,73 |    |    |   |    |    |

daught. average

|             |                        |              |
|-------------|------------------------|--------------|
| <b>79,4</b> | <b>Frame</b>           | <b>-0,98</b> |
| <b>73,4</b> | <b>Dairy Strength</b>  | <b>-1,82</b> |
| <b>76,8</b> | <b>Feet &amp; Legs</b> | <b>-1,36</b> |
| <b>74,7</b> | <b>Udder</b>           | <b>-0,93</b> |
|             | <b>SHI</b>             | <b>-69,8</b> |
|             | rank                   | 551.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>DEMUS-ET</b>   | <b>DE001020725345</b>             | <b>22.12.1988</b> | <b>DIX-001</b> |
| Country of origin | DE                                | <b>Breed</b>      | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 10.02.1989     |
|                   |                                   | DEU               | 89/2153        |

### Pedigree

|                      |            |                            |
|----------------------|------------|----------------------------|
| <b>Sire</b>          | <b>PGS</b> | S-W-D VALIANT              |
| OCEAN-VIEW DIXIECRAT |            | US000001650414             |
| US000001856116       | <b>PGD</b> | FLEETRIDGE BOOTMAKER DIXIE |
|                      |            | US000009494686             |
| <b>Dam</b>           | <b>MGS</b> | PUGET-SOUND SHEIK          |
| WINNIPEG             |            | CA000000327279             |
| DE001008259041       | <b>MGD</b> | WAYNE                      |
|                      |            | DE001007201010             |

|                             |            |           |            |             |            |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>102</b> | Daug.       | <b>671</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3336</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |            | Fat        |              | rank       | 1143.        |
| <b>12375</b>                |            |           |            | <b>-720</b> |            | <b>-32</b> | <b>-0,11</b> | <b>SCS</b> | <b>3,28</b>  |
|                             |            |           |            |             |            | <b>-23</b> | <b>-0,02</b> | rank       | 885.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 13</b> | Daug. | <b>45</b> | 75,6 | Rel. | <b>81 %</b> | <b>TYPE</b> | <b>-1,86</b> |
|                  |             |       |                |       |           |      |      | rank        | 818.        |              |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -2,23 | [Bar chart] |    |   |    |    |
| Angularity            | -0,26 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,03 | [Bar chart] |    |   |    |    |
| Body Depth            | -0,12 | [Bar chart] |    |   |    |    |
| Rump Angle            | -1,00 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | -0,00 | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,14 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -1,16 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,44 | [Bar chart] |    |   |    |    |
| Teat Length           | 1,13  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -1,18 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,20 | [Bar chart] |    |   |    |    |
| Central Ligament      | 0,50  | [Bar chart] |    |   |    |    |
| Udder Depth           | -1,30 | [Bar chart] |    |   |    |    |
| Rump Width            | 0,04  | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,23 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,62 | [Bar chart] |    |   |    |    |
| Locomotion            | 0,02  | [Bar chart] |    |   |    |    |
| Body Condition        | 0,19  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,6 | <b>Frame</b>           | <b>-2,67</b>  |
| 73,3 | <b>Dairy Strength</b>  | <b>-0,67</b>  |
| 77,4 | <b>Feet &amp; Legs</b> | <b>-0,26</b>  |
| 76,0 | <b>Udder</b>           | <b>-1,01</b>  |
|      | <b>SHI</b>             | <b>-175,2</b> |
|      | rank                   | 660.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                                 |                       |                   |                |
|---------------------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>                | Registration number   | Birth date        | State Register |
| <b>ZAVAR BELLWOOD TOPTEN-ET</b> | <b>SK000070769858</b> | <b>02.08.1997</b> | <b>BW-007</b>  |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | SK                                | <b>Breed</b> | H100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 23.06.1998 |
|                   |                                   | SK           | 0237/07    |

### Pedigree

|                         |            |                     |
|-------------------------|------------|---------------------|
| <b>Sire</b>             | <b>PGS</b> | ARLINDA MELWOOD-ET  |
| MAIZEFIELD BELLWOOD-ET  |            | US000001879149      |
| US000002103297          | <b>PGD</b> | BREN-WAY BELL BETSY |
| MEW-004                 |            | US000012052401      |
| <b>Dam</b>              | <b>MGS</b> | TO-MAR BLACKSTAR-ET |
| NEU-WAY BLACKSTAR VALID |            | US000001929410      |
| US000014559857          | <b>MGD</b> | MV MARK VAL-ET      |
|                         |            | US000013336267      |

CHR-002

|                             |            |           |           |             |            |              |             |            |             |
|-----------------------------|------------|-----------|-----------|-------------|------------|--------------|-------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>51</b> | Daug.       | <b>179</b> | Rel.         | <b>96 %</b> | <b>SPI</b> | <b>-932</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.        |             | rank       | 628.        |
| <b>3588</b>                 |            |           |           | <b>-101</b> | <b>-3</b>  | <b>-0,00</b> | <b>-11</b>  | <b>SCS</b> | <b>3,28</b> |
|                             |            |           |           |             |            |              |             | rank       | 895.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>16 / 10</b> | Daug. | <b>35</b> | 76,1 | Rel. | <b>74 %</b> | <b>TYPE</b> | <b>-1,90</b> |
|                  |             |       |                |       |           |      |      | rank        | 819.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,86 |    |    |   |    |    |
| Angularity            | -0,19 |    |    |   |    |    |
| Chest Width           | -0,80 |    |    |   |    |    |
| Body Depth            | -0,24 |    |    |   |    |    |
| Rump Angle            | 0,63  |    |    |   |    |    |
| Rear Legs Side View   | 1,15  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,27 |    |    |   |    |    |
| Front Teat Placement  | -0,45 |    |    |   |    |    |
| Teat Length           | -0,44 |    |    |   |    |    |
| Rear Udder Height     | -0,59 |    |    |   |    |    |
| Rear Udder Width      | -0,54 |    |    |   |    |    |
| Central Ligament      | -0,66 |    |    |   |    |    |
| Udder Depth           | -0,74 |    |    |   |    |    |
| Rump Width            | -0,67 |    |    |   |    |    |
| Rear Legs Rear View   | -1,19 |    |    |   |    |    |
| Rear Teat Placement   | -0,90 |    |    |   |    |    |
| Locomotion            | -0,32 |    |    |   |    |    |
| Body Condition        | -0,46 |    |    |   |    |    |

daught. average

78,5 **Frame** **-1,64**

75,3 **Dairy Strength** **-1,18**

75,7 **Feet & Legs** **-1,72**

75,3 **Udder** **-1,04**

**SHI** **-104,1**

rank 612.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>FRANK</b>      | <b>HU006591363265</b> | <b>05.08.1983</b> | <b>FAK-001</b> |
| Country of origin | HU                    | <b>Breed</b>      | H100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                         |            |                               |
|-------------------------|------------|-------------------------------|
| <b>Sire</b>             | <b>PGS</b> | PACLAMAR CITATION M           |
| ENG-AMER CITATION FRANK |            | US000001493686                |
| US000001675357          | <b>PGD</b> | RIVERCREST-ACRES,KINGPIN FRAN |
|                         |            | US000006865637                |
| <b>Dam</b>              | <b>MGS</b> | LEEBAK BRONSON                |
| 6591.BATOR              |            | US000001563865                |
| HU000019019265          | <b>MGD</b> | 1901.BATOR                    |
|                         |            | HU000001901265                |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>381</b> | Daug.       | <b>2806</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3475</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1182.        |
| <b>49734</b>                |            |           |            | <b>-838</b> |             | <b>-26</b> | <b>0,12</b> | <b>SCS</b> | <b>3,46</b>  |
|                             |            |           |            |             |             | <b>-25</b> | <b>0,02</b> | rank       | 1082.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>15 / 14</b> | Daug. | <b>155</b> | 73,5 | Rel. | <b>93 %</b> | <b>TYPE</b> | <b>-1,99</b> |
|                  |             |       |                |       |            |      |      | rank        | 820.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,76 |    |    |   |    |    |
| Angularity            | -0,62 |    |    |   |    |    |
| Chest Width           | 0,15  |    |    |   |    |    |
| Body Depth            | -0,02 |    |    |   |    |    |
| Rump Angle            | 0,06  |    |    |   |    |    |
| Rear Legs Side View   | -0,45 |    |    |   |    |    |
| Foot Angle            | -0,17 |    |    |   |    |    |
| Fore Udder Attachment | -0,19 |    |    |   |    |    |
| Front Teat Placement  | -0,90 |    |    |   |    |    |
| Teat Length           | 0,25  |    |    |   |    |    |
| Rear Udder Height     | -0,93 |    |    |   |    |    |
| Rear Udder Width      | -0,67 |    |    |   |    |    |
| Central Ligament      | -0,90 |    |    |   |    |    |
| Udder Depth           | -0,56 |    |    |   |    |    |
| Rump Width            | -0,27 |    |    |   |    |    |
| Rear Legs Rear View   | -0,28 |    |    |   |    |    |
| Rear Teat Placement   | -1,46 |    |    |   |    |    |
| Locomotion            | 0,02  |    |    |   |    |    |
| Body Condition        | 0,31  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,6 | <b>Frame</b>           | <b>-0,88</b>  |
| 69,8 | <b>Dairy Strength</b>  | <b>-1,33</b>  |
| 74,6 | <b>Feet &amp; Legs</b> | <b>-0,19</b>  |
| 74,6 | <b>Udder</b>           | <b>-2,38</b>  |
|      | <b>SHI</b>             | <b>-184,4</b> |
|      | rank                   | 665.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                          |                                   |                   |                       |
|--------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>         | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>PIZZO</b>             | <b>FR002921632561</b>             | <b>13.02.1999</b> | <b>GEP-002</b>        |
| <b>Country of origin</b> | FR                                | <b>Breed</b>      | H100                  |
| <b>Distributor</b>       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | <b>Herdbook</b>   | HA                    |
|                          |                                   | <b>Paternity</b>  | 21.06.2000            |
|                          |                                   | <b>FRA</b>        | 742572                |

### Pedigree

|                           |                |                            |
|---------------------------|----------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b>     | TESK-HOLM VALIANT ROCKIE   |
| BEACHLAWN GELPRO TOBEY-ET | US000001841366 | VAL-016                    |
| US000002182343            | <b>PGD</b>     | BEACHLAWN BELL CLEITUS PRO |
|                           | US000013450817 |                            |
| <b>Dam</b>                | <b>MGS</b>     | LA PRESENTATION LAZER      |
| MARJORIE                  | CA000005033036 |                            |
| FR005112757727            | <b>MGD</b>     | WENT-STRAAT MASCOT ROME-ET |
|                           | US000014881054 |                            |

|                             |            |              |           |              |            |             |             |              |             |
|-----------------------------|------------|--------------|-----------|--------------|------------|-------------|-------------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>49</b> | <b>Daug.</b> | <b>100</b> | <b>Rel.</b> | <b>92 %</b> | <b>SPI</b>   | <b>33</b>   |
| <b>Number controls</b>      |            | <b>BV</b>    |           | <b>Milk</b>  |            | <b>Fat</b>  |             | <b>%</b>     | <b>rank</b> |
| <b>1569</b>                 |            |              |           | <b>151</b>   |            | <b>2</b>    |             | <b>-0,07</b> | <b>420.</b> |
|                             |            |              |           |              |            | <b>-4</b>   |             | <b>-0,19</b> | <b>SCS</b>  |
|                             |            |              |           |              |            |             |             |              | <b>3,23</b> |
|                             |            |              |           |              |            |             |             |              | <b>rank</b> |
|                             |            |              |           |              |            |             |             |              | <b>824.</b> |

|                  |             |              |                |              |           |             |             |             |             |              |
|------------------|-------------|--------------|----------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>16 / 13</b> | <b>Daug.</b> | <b>33</b> | <b>76,2</b> | <b>Rel.</b> | <b>70 %</b> | <b>TYPE</b> | <b>-2,02</b> |
|                  |             |              |                |              |           |             |             |             | <b>rank</b> | <b>821.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,15 |    |    |   |    |    |
| Angularity            | -0,49 |    |    |   |    |    |
| Chest Width           | -0,08 |    |    |   |    |    |
| Body Depth            | -0,43 |    |    |   |    |    |
| Rump Angle            | 0,04  |    |    |   |    |    |
| Rear Legs Side View   | 0,38  |    |    |   |    |    |
| Foot Angle            | -0,36 |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,27 |    |    |   |    |    |
| Teat Length           | 0,09  |    |    |   |    |    |
| Rear Udder Height     | -0,58 |    |    |   |    |    |
| Rear Udder Width      | -0,17 |    |    |   |    |    |
| Central Ligament      | -1,37 |    |    |   |    |    |
| Udder Depth           | -1,42 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -1,42 |    |    |   |    |    |
| Rear Teat Placement   | 0,03  |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | -0,10 |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 76,8 | <b>Frame</b>           | <b>-1,32</b> |
| 75,2 | <b>Dairy Strength</b>  | <b>-1,25</b> |
| 76,9 | <b>Feet &amp; Legs</b> | <b>-1,92</b> |
| 75,9 | <b>Udder</b>           | <b>-1,14</b> |
|      | <b>SHI</b>             | <b>-79,8</b> |
|      | <b>rank</b>            | <b>572.</b>  |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                    |                                   |                   |                       |
|------------------------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>                   | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>BEACHLAWN BELLWOOD BURKE-ET</b> | <b>US000002285679</b>             | <b>17.07.1995</b> | <b>BW-012</b>         |
| Country of origin                  | US                                | <b>Breed</b>      | H100                  |
| Distributor                        | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                                    |                                   | Paternity         | 06.12.1995            |
|                                    |                                   | USA               | IG217114B             |

### Pedigree

|                             |            |                            |
|-----------------------------|------------|----------------------------|
| <b>Sire</b>                 | <b>PGS</b> | ARLINDA MELWOOD-ET         |
| MAIZEFIELD BELLWOOD-ET      |            | US000001879149             |
| US000002103297              | <b>PGD</b> | BREN-WAY BELL BETSY        |
| MEW-004                     |            | US000012052401             |
| <b>Dam</b>                  | <b>MGS</b> | TESK-HOLM VALIANT ROCKIE   |
| BEACHLAWN BELL PRO TAMMY-ET |            | US000001841366 VAL-016     |
| US000014632262              | <b>MGD</b> | BEACHLAWN BELL CLEITUS PRO |
|                             |            | US000013450817             |

|                             |            |           |           |            |            |           |              |            |              |
|-----------------------------|------------|-----------|-----------|------------|------------|-----------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>18</b> | Daug.      | <b>227</b> | Rel.      | <b>97 %</b>  | <b>SPI</b> | <b>164</b>   |
| Number controls             |            | <b>BV</b> |           | Milk       |            | Fat       |              | rank       | 394.         |
| <b>4471</b>                 |            |           |           | <b>129</b> |            | <b>-8</b> | <b>-0,25</b> | <b>3</b>   | <b>-0,02</b> |
|                             |            |           |           |            |            |           |              | <b>SCS</b> | <b>2,89</b>  |
|                             |            |           |           |            |            |           |              | rank       | 389.         |

|                  |             |       |               |       |            |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 6</b> | Daug. | <b>131</b> | 76,9 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-2,04</b> |
|                  |             |       |               |       |            |      |      | rank        | 822.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,93 |    |    |   |    |    |
| Angularity            | -1,14 |    |    |   |    |    |
| Chest Width           | 0,09  |    |    |   |    |    |
| Body Depth            | 0,05  |    |    |   |    |    |
| Rump Angle            | -0,36 |    |    |   |    |    |
| Rear Legs Side View   | 0,70  |    |    |   |    |    |
| Foot Angle            | -0,23 |    |    |   |    |    |
| Fore Udder Attachment | -0,25 |    |    |   |    |    |
| Front Teat Placement  | 0,12  |    |    |   |    |    |
| Teat Length           | 0,41  |    |    |   |    |    |
| Rear Udder Height     | -0,43 |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -1,65 |    |    |   |    |    |
| Udder Depth           | -1,43 |    |    |   |    |    |
| Rump Width            | 0,09  |    |    |   |    |    |
| Rear Legs Rear View   | -0,00 |    |    |   |    |    |
| Rear Teat Placement   | -0,18 |    |    |   |    |    |
| Locomotion            | -0,04 |    |    |   |    |    |
| Body Condition        | 0,05  |    |    |   |    |    |

daught. average

|      |                        |              |
|------|------------------------|--------------|
| 79,2 | <b>Frame</b>           | <b>-1,16</b> |
| 76,6 | <b>Dairy Strength</b>  | <b>-2,84</b> |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-0,16</b> |
| 75,7 | <b>Udder</b>           | <b>-1,58</b> |
|      | <b>SHI</b>             | <b>-76,5</b> |
|      | rank                   | 567.         |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                  |                       |                   |                |
|------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b> | Registration number   | Birth date        | State Register |
| <b>CEYLON-ET</b> | <b>DE000015233678</b> | <b>05.11.1992</b> | <b>CNR-004</b> |

|                   |                                   |              |            |
|-------------------|-----------------------------------|--------------|------------|
| Country of origin | DE                                | <b>Breed</b> | R100       |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA         |
|                   |                                   | Paternity    | 02.08.1993 |
|                   |                                   | DEU          | 93/10126   |

### Pedigree

|                         |            |                            |
|-------------------------|------------|----------------------------|
| <b>Sire</b>             | <b>PGS</b> | CA-LILL STANDOUT CAVALIER  |
| HOWARD-HOME CAVEMAN-RED |            | US000001620273             |
| US000001842371          | <b>PGD</b> | HOWARD-HOME TRIPLE JAE RED |
| CRR-004                 |            | US000009613867             |
| <b>Dam</b>              | <b>MGS</b> | ROWNTREE BANKER-ET         |
| SILBE                   |            | CA000000353294             |
| DE001004597501          | <b>MGD</b> | SIRA                       |
|                         |            | DE001004465387             |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>142</b> | Daug.       | <b>2195</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3264</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %           | Prot.      | %            |
| <b>43423</b>                |            |           |            | <b>-937</b> |             | <b>-18</b> | <b>0,38</b> | <b>-23</b> | <b>0,16</b>  |
|                             |            |           |            |             |             |            |             | <b>SCS</b> | <b>3,40</b>  |
|                             |            |           |            |             |             |            |             | rank       | 1023.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 8</b> | Daug. | <b>61</b> | 74,7 | Rel. | <b>88 %</b> | <b>TYPE</b> | <b>-2,08</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 823.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,92 |    |    |   |    |    |
| Angularity            | -0,55 |    |    |   |    |    |
| Chest Width           | -0,25 |    |    |   |    |    |
| Body Depth            | -0,21 |    |    |   |    |    |
| Rump Angle            | 0,56  |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,27 |    |    |   |    |    |
| Fore Udder Attachment | -0,84 |    |    |   |    |    |
| Front Teat Placement  | -1,17 |    |    |   |    |    |
| Teat Length           | -0,77 |    |    |   |    |    |
| Rear Udder Height     | 0,22  |    |    |   |    |    |
| Rear Udder Width      | 0,58  |    |    |   |    |    |
| Central Ligament      | -0,50 |    |    |   |    |    |
| Udder Depth           | -0,78 |    |    |   |    |    |
| Rump Width            | -0,47 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | -1,35 |    |    |   |    |    |
| Locomotion            | 0,20  |    |    |   |    |    |
| Body Condition        | 0,38  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,1 | <b>Frame</b>           | <b>-2,39</b>  |
| 71,3 | <b>Dairy Strength</b>  | <b>-1,64</b>  |
| 77,1 | <b>Feet &amp; Legs</b> | <b>-0,42</b>  |
| 75,3 | <b>Udder</b>           | <b>-1,17</b>  |
|      | <b>SHI</b>             | <b>-181,5</b> |
|      | rank                   | 662.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>BENNI</b>      | <b>BE098700161032</b>             | <b>30.10.1998</b> | <b>NIC-002</b> |
| Country of origin | BE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 13.09.2000     |
|                   |                                   | DEU               | 3639/00        |

### Pedigree

|                    |            |                     |
|--------------------|------------|---------------------|
| <b>Sire</b>        | <b>PGS</b> | ALMERSON CAMERA RED |
| BEVERLAKE NICK RED |            | CA000000378474      |
| NL000789089656     | <b>PGD</b> | BEVERLAKE NIEKE 1   |
|                    |            | NL000516030621      |
| <b>Dam</b>         | <b>MGS</b> | STARTMORE SATELLITE |
| MOLLI              |            | CA000000387084      |
| BE092716250129     | <b>MGD</b> | M.R.MOLENA          |
|                    |            | DE001020903085      |

|                             |            |           |           |             |            |             |             |             |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|-------------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>41</b> | Daug.       | <b>510</b> | Rel.        | <b>98 %</b> | <b>SPI</b>  | <b>-2298</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Prot.       |             | rank        | 936.         |
| <b>9885</b>                 |            |           |           | <b>-673</b> | <b>-24</b> | <b>0,02</b> | <b>-11</b>  | <b>0,24</b> | <b>SCS</b>   |
|                             |            |           |           |             |            |             |             | rank        | 1056.        |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>12 / 5</b> | Daug. | <b>34</b> | 77,1 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-2,12</b> |
|                  |             |       |               |       |           |      |      | rank        | 824.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,83 |    |    |   |    |    |
| Angularity            | -0,79 |    |    |   |    |    |
| Chest Width           | -0,48 |    |    |   |    |    |
| Body Depth            | 0,24  |    |    |   |    |    |
| Rump Angle            | -0,06 |    |    |   |    |    |
| Rear Legs Side View   | 0,35  |    |    |   |    |    |
| Foot Angle            | -0,65 |    |    |   |    |    |
| Fore Udder Attachment | -1,05 |    |    |   |    |    |
| Front Teat Placement  | 0,43  |    |    |   |    |    |
| Teat Length           | -1,83 |    |    |   |    |    |
| Rear Udder Height     | -0,22 |    |    |   |    |    |
| Rear Udder Width      | 0,41  |    |    |   |    |    |
| Central Ligament      | -0,26 |    |    |   |    |    |
| Udder Depth           | -1,04 |    |    |   |    |    |
| Rump Width            | -0,61 |    |    |   |    |    |
| Rear Legs Rear View   | -0,61 |    |    |   |    |    |
| Rear Teat Placement   | -0,32 |    |    |   |    |    |
| Locomotion            | -0,18 |    |    |   |    |    |
| Body Condition        | 0,13  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 79,9 | <b>Frame</b>           | <b>-1,23</b>  |
| 77,1 | <b>Dairy Strength</b>  | <b>-2,36</b>  |
| 78,1 | <b>Feet &amp; Legs</b> | <b>-1,71</b>  |
| 75,3 | <b>Udder</b>           | <b>-1,04</b>  |
|      | <b>SHI</b>             | <b>-154,3</b> |
|      | rank                   | 650.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                            |                   |                       |
|-------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>NOKMAN</b>     | <b>CZ009773685611</b>      | <b>22.12.1985</b> | <b>NOM-100</b>        |
| Country of origin | CZ                         | <b>Breed</b>      | H100                  |
| Distributor       | Slovensko                  | Herdbook          | HA                    |
|                   |                            | Paternity         |                       |

### Pedigree

|                   |            |                                  |
|-------------------|------------|----------------------------------|
| <b>Sire</b>       | <b>PGS</b> | ROYBROOK STARLITE                |
| STANHOPE CANNOADE |            | CA000000308691                   |
| CA000000337679    | <b>PGD</b> | STANHOPE BEV CRYSTAN             |
|                   |            | CA000002704250                   |
| <b>Dam</b>        | <b>MGS</b> | THREE MOUNTAINS ROCK MAN BOB JAC |
|                   |            | CA000000322819                   |
| CZ000097736611    | <b>MGD</b> | NOM-007                          |
|                   |            | CZ000066512611                   |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>131</b> | Daug.       | <b>2021</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3213</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |              | rank       | 1116.        |
| <b>36752</b>                |            |           |            | <b>-736</b> |             | <b>-25</b> | <b>0,05</b>  | <b>SCS</b> | <b>3,30</b>  |
|                             |            |           |            |             |             | <b>-23</b> | <b>-0,02</b> | rank       | 912.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 18</b> | Daug. | <b>148</b> | 76,1 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-2,13</b> |
|                  |             |       |                |       |            |      |      | rank        | 825.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,27 |    |    |   |    |    |
| Angularity            | -0,65 |    |    |   |    |    |
| Chest Width           | -0,06 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | -0,07 |    |    |   |    |    |
| Rear Legs Side View   | 0,76  |    |    |   |    |    |
| Foot Angle            | -0,38 |    |    |   |    |    |
| Fore Udder Attachment | -0,60 |    |    |   |    |    |
| Front Teat Placement  | -1,57 |    |    |   |    |    |
| Teat Length           | 1,21  |    |    |   |    |    |
| Rear Udder Height     | -1,05 |    |    |   |    |    |
| Rear Udder Width      | -0,72 |    |    |   |    |    |
| Central Ligament      | -0,22 |    |    |   |    |    |
| Udder Depth           | -1,02 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | -0,21 |    |    |   |    |    |
| Rear Teat Placement   | -1,33 |    |    |   |    |    |
| Locomotion            | -0,12 |    |    |   |    |    |
| Body Condition        | 0,57  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,4 | <b>Frame</b>           | <b>-0,27</b>  |
| 73,2 | <b>Dairy Strength</b>  | <b>-2,02</b>  |
| 76,5 | <b>Feet &amp; Legs</b> | <b>-1,10</b>  |
| 76,3 | <b>Udder</b>           | <b>-2,47</b>  |
|      | <b>SHI</b>             | <b>-181,9</b> |
|      | rank                   | 664.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>STONETOWN RED</b> | <b>SK009852381803</b> | <b>04.12.1981</b> | <b>STR-005</b> |
| Country of origin    | SK                    | <b>Breed</b>      | R75,0 M25,0    |
| Distributor          | Slovensko             | Herdbook          | HC             |
|                      |                       | Paternity         | ..             |

### Pedigree

|                       |            |                             |
|-----------------------|------------|-----------------------------|
| <b>Sire</b>           | <b>PGS</b> | THAMES CREST SOVER. SUPREME |
| STONETOWN SUPREME,RED |            | CA000000288659              |
| CA000000321547        | <b>PGD</b> | STONETOWN GENERAL,WING      |
| RED-018               |            | CA000002153964              |
| <b>Dam</b>            | <b>MGS</b> | ROYCEDALE PERFECTION RED    |
| SK000098523803        |            | CA000000320586              |
|                       | <b>MGD</b> | SK000065711803              |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>246</b> | Daug.       | <b>1533</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-3722</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 1218.        |
| <b>26452</b>                |            |           |            | <b>-900</b> |             | <b>-31</b> | <b>0,07</b> | <b>SCS</b> | <b>3,50</b>  |
|                             |            |           |            |             |             | <b>-25</b> | <b>0,06</b> | rank       | 1115.        |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>11 / 10</b> | Daug. | <b>54</b> | 73,1 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>-2,13</b> |
|                  |             |       |                |       |           |      |      | rank        | 826.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,76 |    |    |   |    |    |
| Angularity            | -1,11 |    |    |   |    |    |
| Chest Width           | 0,21  |    |    |   |    |    |
| Body Depth            | 0,26  |    |    |   |    |    |
| Rump Angle            | 0,56  |    |    |   |    |    |
| Rear Legs Side View   | 0,28  |    |    |   |    |    |
| Foot Angle            | 0,52  |    |    |   |    |    |
| Fore Udder Attachment | -0,36 |    |    |   |    |    |
| Front Teat Placement  | -1,14 |    |    |   |    |    |
| Teat Length           | 0,36  |    |    |   |    |    |
| Rear Udder Height     | -1,04 |    |    |   |    |    |
| Rear Udder Width      | -0,80 |    |    |   |    |    |
| Central Ligament      | -0,96 |    |    |   |    |    |
| Udder Depth           | -0,25 |    |    |   |    |    |
| Rump Width            | 0,72  |    |    |   |    |    |
| Rear Legs Rear View   | -0,42 |    |    |   |    |    |
| Rear Teat Placement   | -1,06 |    |    |   |    |    |
| Locomotion            | 0,16  |    |    |   |    |    |
| Body Condition        | 0,90  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,1 | <b>Frame</b>           | <b>-0,48</b>  |
| 69,0 | <b>Dairy Strength</b>  | <b>-2,18</b>  |
| 75,1 | <b>Feet &amp; Legs</b> | <b>0,66</b>   |
| 73,2 | <b>Udder</b>           | <b>-2,73</b>  |
|      | <b>SHI</b>             | <b>-197,7</b> |
|      | rank                   | 668.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                |
|-------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date        | State Register |
| <b>KELVIN</b>     | <b>DE000011067169</b>             | <b>05.07.1997</b> | <b>KOD-002</b> |
| Country of origin | DE                                | <b>Breed</b>      | R100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                   |                                   | Paternity         | 03.05.1999     |
|                   |                                   | DEU               | 0111067169     |

### Pedigree

|                     |            |                             |
|---------------------|------------|-----------------------------|
| <b>Sire</b>         | <b>PGS</b> | KINGLEA LEADER              |
| KOMMANDEUR LEADER 1 |            | US000001926780              |
| NL000775157228      | <b>PGD</b> | MINA 648                    |
|                     |            | NL000512249355              |
| <b>Dam</b>          | <b>MGS</b> | BROOKNOOK MILESTONE-ET RED  |
| MITZI RED           |            | CA000000400985              |
| DE000110067040      | <b>MGD</b> | RON-NAN LEADER MITZI RED-ET |
|                     |            | US000014169139              |

|                             |            |           |            |             |             |            |              |              |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>152</b> | Daug.       | <b>1835</b> | Rel.       | <b>99 %</b>  | <b>SPI</b>   | <b>-1357</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %            | rank         | 725.         |
| <b>38144</b>                |            |           |            | <b>-189</b> |             | <b>-20</b> | <b>-0,26</b> | <b>Prot.</b> | <b>%</b>     |
|                             |            |           |            |             |             |            |              | <b>SCS</b>   | <b>2,87</b>  |
|                             |            |           |            |             |             |            |              | rank         | 359.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>18 / 12</b> | Daug. | <b>67</b> | 75,7 | Rel. | <b>84 %</b> | <b>TYPE</b> | <b>-2,22</b> |
|                  |             |       |                |       |           |      |      | rank        | 827.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,60 |    |    |   |    |    |
| Angularity            | -0,24 |    |    |   |    |    |
| Chest Width           | -0,63 |    |    |   |    |    |
| Body Depth            | -0,55 |    |    |   |    |    |
| Rump Angle            | -0,95 |    |    |   |    |    |
| Rear Legs Side View   | 0,95  |    |    |   |    |    |
| Foot Angle            | -0,44 |    |    |   |    |    |
| Fore Udder Attachment | 0,05  |    |    |   |    |    |
| Front Teat Placement  | -0,24 |    |    |   |    |    |
| Teat Length           | -0,29 |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | -0,10 |    |    |   |    |    |
| Central Ligament      | -1,17 |    |    |   |    |    |
| Udder Depth           | -0,23 |    |    |   |    |    |
| Rump Width            | -0,20 |    |    |   |    |    |
| Rear Legs Rear View   | -0,75 |    |    |   |    |    |
| Rear Teat Placement   | -0,43 |    |    |   |    |    |
| Locomotion            | -0,30 |    |    |   |    |    |
| Body Condition        | 0,07  |    |    |   |    |    |

daught. average

76,8 **Frame** **-2,39**

76,3 **Dairy Strength** **-1,24**

75,9 **Feet & Legs** **-2,12**

74,9 **Udder** **-0,77**

**SHI** **-129,8**

rank 630.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                           |                                   |                   |                |
|---------------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>          | Registration number               | Birth date        | State Register |
| <b>CHRYSTAL POPOV RED</b> | <b>NL000822397490</b>             | <b>07.10.1992</b> | <b>AKR-001</b> |
| Country of origin         | NL                                | <b>Breed</b>      | R100           |
| Distributor               | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA             |
|                           |                                   | Paternity         | 19.11.1993     |
|                           |                                   | NLD               | 019301888030   |

### Pedigree

|                 |            |                          |
|-----------------|------------|--------------------------|
| <b>Sire</b>     | <b>PGS</b> | HANOVER-HILL INSPIRATION |
| ANKIN           |            | CA000000363162           |
| NL000514485540  | <b>PGD</b> | ANKA                     |
|                 |            | NL000991683862           |
| <b>Dam</b>      | <b>MGS</b> | KINGLEA LEADER           |
| CRYSTAL ROO 124 |            | US000001926780           |
| NL000135505717  | <b>MGD</b> | CRYSTAL ROO 110          |
|                 |            | NL000134503594           |

|                             |            |           |            |             |             |            |             |              |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|--------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>312</b> | Daug.       | <b>4615</b> | Rel.       | <b>99 %</b> | <b>SPI</b>   | <b>-1387</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | %            | rank         |
| <b>92884</b>                |            |           |            | <b>-319</b> |             | <b>-11</b> |             | <b>0,02</b>  | <b>730.</b>  |
|                             |            |           |            |             |             | <b>-10</b> |             | <b>-0,01</b> | <b>SCS</b>   |
|                             |            |           |            |             |             |            |             |              | <b>3,95</b>  |
|                             |            |           |            |             |             |            |             |              | rank         |
|                             |            |           |            |             |             |            |             |              | 1239.        |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>31 / 14</b> | Daug. | <b>199</b> | 74,6 | Rel. | <b>94 %</b> | <b>TYPE</b> | <b>-2,28</b> |
|                  |             |       |                |       |            |      |      |             | rank        | 828.         |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,46 |    |    |   |    |    |
| Angularity            | 0,11  |    |    |   |    |    |
| Chest Width           | -0,50 |    |    |   |    |    |
| Body Depth            | -0,35 |    |    |   |    |    |
| Rump Angle            | -0,12 |    |    |   |    |    |
| Rear Legs Side View   | 0,53  |    |    |   |    |    |
| Foot Angle            | -0,49 |    |    |   |    |    |
| Fore Udder Attachment | -0,48 |    |    |   |    |    |
| Front Teat Placement  | -0,74 |    |    |   |    |    |
| Teat Length           | 0,88  |    |    |   |    |    |
| Rear Udder Height     | -0,11 |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | -2,05 |    |    |   |    |    |
| Udder Depth           | -1,24 |    |    |   |    |    |
| Rump Width            | -0,63 |    |    |   |    |    |
| Rear Legs Rear View   | -0,18 |    |    |   |    |    |
| Rear Teat Placement   | -1,14 |    |    |   |    |    |
| Locomotion            | 0,18  |    |    |   |    |    |
| Body Condition        | -0,37 |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,0 | <b>Frame</b>           | <b>-2,08</b>  |
| 73,0 | <b>Dairy Strength</b>  | <b>-0,42</b>  |
| 76,6 | <b>Feet &amp; Legs</b> | <b>-1,12</b>  |
| 74,3 | <b>Udder</b>           | <b>-2,01</b>  |
|      | <b>SHI</b>             | <b>-133,0</b> |
|      | rank                   | 632.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>TOUBORG</b>    | <b>DE000576305382</b> | <b>07.03.1994</b> | <b>TUG-001</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       |                       | Herdbook          | HA             |
|                   |                       | Paternity         |                |

### Pedigree

|                |            |                                |
|----------------|------------|--------------------------------|
| <b>Sire</b>    | <b>PGS</b> | BRANDERLEA CITATION TOPPER RED |
| TOUBORG        |            | CA000000311569                 |
| DE009002065650 | <b>PGD</b> | RED-006                        |
|                |            | ASTA                           |
|                |            | DE000505012760                 |
| <b>Dam</b>     | <b>MGS</b> | ANKER                          |
| RAISSA         |            | DE009010369937                 |
| DE000505749820 | <b>MGD</b> | RAVENA                         |
|                |            | DE000505163153                 |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>301</b> | Daug.       | <b>4430</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-1874</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 847.         |
| <b>90558</b>                |            |           |            | <b>-541</b> |             | <b>-7</b>  | <b>0,28</b> | <b>SCS</b> | <b>2,81</b>  |
|                             |            |           |            |             |             | <b>-15</b> | <b>0,05</b> | rank       | 295.         |

|                  |             |       |                |       |           |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>27 / 15</b> | Daug. | <b>83</b> | 75,7 | Rel. | <b>90 %</b> | <b>TYPE</b> | <b>-2,31</b> |
|                  |             |       |                |       |           |      |      | rank        | 829.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,29 |    |    |   |    |    |
| Angularity            | -1,11 |    |    |   |    |    |
| Chest Width           | 0,43  |    |    |   |    |    |
| Body Depth            | 0,06  |    |    |   |    |    |
| Rump Angle            | -0,03 |    |    |   |    |    |
| Rear Legs Side View   | 0,20  |    |    |   |    |    |
| Foot Angle            | -1,23 |    |    |   |    |    |
| Fore Udder Attachment | -0,84 |    |    |   |    |    |
| Front Teat Placement  | -0,79 |    |    |   |    |    |
| Teat Length           | 0,42  |    |    |   |    |    |
| Rear Udder Height     | -0,56 |    |    |   |    |    |
| Rear Udder Width      | -0,09 |    |    |   |    |    |
| Central Ligament      | -0,12 |    |    |   |    |    |
| Udder Depth           | -0,41 |    |    |   |    |    |
| Rump Width            | 0,60  |    |    |   |    |    |
| Rear Legs Rear View   | -0,22 |    |    |   |    |    |
| Rear Teat Placement   | -1,12 |    |    |   |    |    |
| Locomotion            | -0,48 |    |    |   |    |    |
| Body Condition        | 0,80  |    |    |   |    |    |

daught. average

76,3 **Frame** **-1,16**

74,0 **Dairy Strength** **-2,41**

76,0 **Feet & Legs** **-2,89**

76,1 **Udder** **-1,23**

**SHI** **-148,8**

rank 645.

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |                   |                       |
|-------------------|-----------------------------------|-------------------|-----------------------|
| <b>Bull name</b>  | <b>Registration number</b>        | <b>Birth date</b> | <b>State Register</b> |
| <b>ELEVATION</b>  | <b>SK000034172852</b>             | <b>11.10.1990</b> | <b>EV-013</b>         |
| Country of origin | SK                                | <b>Breed</b>      | H100                  |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HA                    |
|                   |                                   | Paternity         | 19.02.1991            |
|                   |                                   | SVK               | 4344/22               |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | BENDMEAD MAGIC OF LIN-CON |
| ELEVATION      |            | US000001643248            |
| DE000002726146 | <b>PGD</b> | NESSEL                    |
| EV-001         |            | DE00002726146K            |
| <b>Dam</b>     | <b>MGS</b> | CHEESEBORO LAD            |
| SK000089352822 |            | CA000000338067            |
|                | <b>MGD</b> | SK000062989822            |
|                |            | FOU-005                   |

|                             |            |           |    |             |            |             |            |            |             |
|-----------------------------|------------|-----------|----|-------------|------------|-------------|------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 49 | Daug.       | 131        | Rel.        | 94 %       | <b>SPI</b> | -3516       |
| Number controls             |            | <b>BV</b> |    | Milk        |            | Prot.       | %          | rank       | 1187.       |
| <b>2654</b>                 |            |           |    | <b>-803</b> | <b>-28</b> | <b>0,04</b> | <b>-25</b> | <b>SCS</b> | <b>3,46</b> |
|                             |            |           |    |             |            |             |            | rank       | 1083.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 7 / 4 | Daug. | 16 | 74,3 | Rel. | 57 % | <b>TYPE</b> | -2,32 |
|                  |             |       |       |       |    |      |      | rank | 830.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,79 |    |    |   |    |    |
| Angularity            | -0,66 |    |    |   |    |    |
| Chest Width           | -0,05 |    |    |   |    |    |
| Body Depth            | -0,18 |    |    |   |    |    |
| Rump Angle            | -0,33 |    |    |   |    |    |
| Rear Legs Side View   | -0,27 |    |    |   |    |    |
| Foot Angle            | -0,41 |    |    |   |    |    |
| Fore Udder Attachment | -0,39 |    |    |   |    |    |
| Front Teat Placement  | -0,74 |    |    |   |    |    |
| Teat Length           | -0,46 |    |    |   |    |    |
| Rear Udder Height     | -1,35 |    |    |   |    |    |
| Rear Udder Width      | -0,96 |    |    |   |    |    |
| Central Ligament      | -0,67 |    |    |   |    |    |
| Udder Depth           | -0,38 |    |    |   |    |    |
| Rump Width            | 0,20  |    |    |   |    |    |
| Rear Legs Rear View   | 0,24  |    |    |   |    |    |
| Rear Teat Placement   | -0,67 |    |    |   |    |    |
| Locomotion            | 0,03  |    |    |   |    |    |
| Body Condition        | 0,25  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 74,1 | <b>Frame</b>           | <b>-0,97</b>  |
| 71,6 | <b>Dairy Strength</b>  | <b>-1,57</b>  |
| 75,7 | <b>Feet &amp; Legs</b> | <b>-0,72</b>  |
| 74,9 | <b>Udder</b>           | <b>-2,30</b>  |
|      | <b>SHI</b>             | <b>-198,7</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                  |                            |                   |                       |
|------------------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b> | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>BAMON-ET</b>  | <b>DE001021112507</b>      | <b>27.01.1993</b> | <b>BCR-001</b>        |

|                   |                |              |            |
|-------------------|----------------|--------------|------------|
| Country of origin | DE             | <b>Breed</b> | R100       |
| Distributor       | INSEMAS s.r.o. | Herdbook     | HA         |
|                   |                | Paternity    | 14.04.1993 |
|                   |                | DEU          | 93/5891    |

### Pedigree

|                |            |                            |         |
|----------------|------------|----------------------------|---------|
| <b>Sire</b>    | <b>PGS</b> | TO-MAR BLACKSTAR-ET        |         |
| BLACKHILD      |            | US000001929410             | CHR-002 |
| NL000774750381 | <b>PGD</b> | KRIMHILD                   |         |
|                |            | DE000091470506             |         |
| <b>Dam</b>     | <b>MGS</b> | ROTHROCK TRADITION LEADMAN |         |
| LISI 73        |            | US000001983348             | TDN-004 |
| DE001020896952 | <b>MGD</b> | LISTA 120                  |         |
|                |            | DE001020637618             |         |

|                             |            |           |            |             |             |          |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|----------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>125</b> | Daug.       | <b>1666</b> | Rel.     | <b>99 %</b> | <b>SPI</b> | <b>-2267</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat      | %           | Prot.      | %            |
| <b>34431</b>                |            |           |            | <b>-812</b> |             | <b>0</b> | <b>0,67</b> | <b>-18</b> | <b>0,19</b>  |
|                             |            |           |            |             |             |          |             | <b>SCS</b> | <b>3,31</b>  |
|                             |            |           |            |             |             |          |             | rank       | 926.         |
|                             |            |           |            |             |             |          |             | rank       | 931.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>13 / 7</b> | Daug. | <b>44</b> | 75,7 | Rel. | <b>80 %</b> | <b>TYPE</b> | <b>-2,35</b> |
|                  |             |       |               |       |           |      |      | rank        | 831.        |              |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,92 | [Bar chart] |    |   |    |    |
| Angularity            | -0,30 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,64 | [Bar chart] |    |   |    |    |
| Body Depth            | -0,19 | [Bar chart] |    |   |    |    |
| Rump Angle            | -0,84 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | -0,33 | [Bar chart] |    |   |    |    |
| Foot Angle            | 0,09  | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,59 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,92 | [Bar chart] |    |   |    |    |
| Teat Length           | -0,75 | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,87 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,92 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,26 | [Bar chart] |    |   |    |    |
| Udder Depth           | -1,09 | [Bar chart] |    |   |    |    |
| Rump Width            | -0,92 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,14 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | 0,05  | [Bar chart] |    |   |    |    |
| Locomotion            | -0,38 | [Bar chart] |    |   |    |    |
| Body Condition        | 0,06  | [Bar chart] |    |   |    |    |

|                 |      |                        |               |
|-----------------|------|------------------------|---------------|
| daught. average | 76,4 | <b>Frame</b>           | <b>-2,86</b>  |
|                 | 76,1 | <b>Dairy Strength</b>  | <b>-1,17</b>  |
|                 | 77,5 | <b>Feet &amp; Legs</b> | <b>-0,45</b>  |
|                 | 74,3 | <b>Udder</b>           | <b>-1,38</b>  |
|                 |      | <b>SHI</b>             | <b>-162,3</b> |
|                 |      | rank                   | 656.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                       |              |                |
|-----------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date   | State Register |
| <b>REFLECTION RED</b> | <b>SK001680683823</b> | 14.11.1983   | <b>RER-127</b> |
| Country of origin     | SK                    | <b>Breed</b> | R75,0 M25,0    |
| Distributor           | Slovensko             | Herdbook     | HC             |
|                       |                       | Paternity    | ..             |

### Pedigree

|                           |            |                             |
|---------------------------|------------|-----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CITATION R MAPLE            |
| KEENDALE LODGE R KING-RED |            | US000001430145              |
| CA000000330200            | <b>PGD</b> | ROSEHOLM SOVEREIGN EVE      |
| RED-021                   |            | CA000001882910              |
| <b>Dam</b>                | <b>MGS</b> | ARANDA CITATION HI-LITE-RED |
| SK000016806823            |            | CA000000336147              |
|                           | <b>MGD</b> | SK000098498803              |
|                           |            | RER-055                     |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>78</b> | Daug.       | <b>665</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-3072</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1091.        |
| <b>11919</b>                |            |           |           | <b>-704</b> |            | <b>-26</b> | <b>0,02</b>  | <b>SCS</b> | <b>3,16</b>  |
|                             |            |           |           |             |            | <b>-22</b> | <b>-0,00</b> | rank       | 747.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>7 / 5</b> | Daug. | <b>20</b> | 72,7 | Rel. | <b>71 %</b> | <b>TYPE</b> | <b>-2,38</b> |
|                  |             |       |              |       |           |      |      | rank        | 832.        |              |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,97 | [Bar chart] |    |   |    |    |
| Angularity            | -1,11 | [Bar chart] |    |   |    |    |
| Chest Width           | 0,36  | [Bar chart] |    |   |    |    |
| Body Depth            | 0,12  | [Bar chart] |    |   |    |    |
| Rump Angle            | 0,22  | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,43  | [Bar chart] |    |   |    |    |
| Foot Angle            | 0,11  | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,60 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,93 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,57  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -1,26 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,54 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,30 | [Bar chart] |    |   |    |    |
| Udder Depth           | -1,44 | [Bar chart] |    |   |    |    |
| Rump Width            | 0,26  | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,24 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,72 | [Bar chart] |    |   |    |    |
| Locomotion            | -0,03 | [Bar chart] |    |   |    |    |
| Body Condition        | 0,80  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 72,4 | <b>Frame</b>           | <b>-1,85</b>  |
| 68,9 | <b>Dairy Strength</b>  | <b>-2,20</b>  |
| 75,8 | <b>Feet &amp; Legs</b> | <b>-1,20</b>  |
| 73,0 | <b>Udder</b>           | <b>-1,74</b>  |
|      | <b>SHI</b>             | <b>-187,7</b> |
|      | rank                   | 666.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                          |          |                            |                   |                       |
|--------------------------|----------|----------------------------|-------------------|-----------------------|
| <b>Bull name</b>         |          | <b>Registration number</b> | <b>Birth date</b> | <b>State Register</b> |
| <b>WINTER</b>            |          | <b>HU002422315394</b>      | <b>20.05.1983</b> | <b>WTR-001</b>        |
| <b>Country of origin</b> | HU       |                            | <b>Breed</b>      | R94,0 S 6,0           |
| <b>Distributor</b>       | Maďarsko |                            | <b>Herdbook</b>   | HA                    |
|                          |          |                            | <b>Paternity</b>  | ..                    |

### Pedigree

|   |            |  |
|---|------------|--|
| <b>Sire</b>                                       | <b>PGS</b> | LONG-HAVEN FAYNE KING WINT<br>US000001399654     |
| DA-PHY-DALE TRUSTEE, WINTER RED<br>US000001639877 | <b>PGD</b> | DA-PHY-DALE TRUSTEE, ADA PATSY<br>XX000008966027 |
| <b>Dam</b>  | <b>MGS</b> | METCALFS TELSTAR, CITATION-RED<br>US000001599206 |
| 2422.NYALO<br>HU0013049SU384                      | <b>MGD</b> | 1304.DARAZS<br>HU0001725SU384                    |

|                             |            |              |            |              |             |             |             |             |              |
|-----------------------------|------------|--------------|------------|--------------|-------------|-------------|-------------|-------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | <b>Herds</b> | <b>138</b> | <b>Daug.</b> | <b>1350</b> | <b>Rel.</b> | <b>99 %</b> | <b>SPI</b>  | <b>-4604</b> |
| <b>Number controls</b>      |            | <b>BV</b>    |            | <b>Milk</b>  |             | <b>Fat</b>  |             | <b>%</b>    | <b>Prot.</b> |
| <b>24942</b>                |            |              |            | <b>-1117</b> |             | <b>-37</b>  |             | <b>0,12</b> | <b>-32</b>   |
|                             |            |              |            |              |             |             |             | <b>0,07</b> | <b>0,07</b>  |
|                             |            |              |            |              |             |             |             | <b>rank</b> | <b>1294.</b> |
|                             |            |              |            |              |             |             |             | <b>SCS</b>  | <b>2,74</b>  |
|                             |            |              |            |              |             |             |             | <b>rank</b> | <b>222.</b>  |

|                  |             |              |               |              |           |             |             |             |             |              |
|------------------|-------------|--------------|---------------|--------------|-----------|-------------|-------------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | <b>Herds</b> | <b>10 / 9</b> | <b>Daug.</b> | <b>58</b> | <b>73,5</b> | <b>Rel.</b> | <b>84 %</b> | <b>TYPE</b> | <b>-2,40</b> |
|                  |             |              |               |              |           |             |             |             | <b>rank</b> | <b>833.</b>  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,50 |    |    |   |    |    |
| Angularity            | -1,20 |    |    |   |    |    |
| Chest Width           | 0,16  |    |    |   |    |    |
| Body Depth            | -0,08 |    |    |   |    |    |
| Rump Angle            | 0,16  |    |    |   |    |    |
| Rear Legs Side View   | -0,38 |    |    |   |    |    |
| Foot Angle            | -0,22 |    |    |   |    |    |
| Fore Udder Attachment | -1,32 |    |    |   |    |    |
| Front Teat Placement  | -0,80 |    |    |   |    |    |
| Teat Length           | 1,13  |    |    |   |    |    |
| Rear Udder Height     | -1,21 |    |    |   |    |    |
| Rear Udder Width      | -0,71 |    |    |   |    |    |
| Central Ligament      | -0,68 |    |    |   |    |    |
| Udder Depth           | -0,32 |    |    |   |    |    |
| Rump Width            | 0,63  |    |    |   |    |    |
| Rear Legs Rear View   | 0,41  |    |    |   |    |    |
| Rear Teat Placement   | -0,11 |    |    |   |    |    |
| Locomotion            | 0,21  |    |    |   |    |    |
| Body Condition        | 1,09  |    |    |   |    |    |

daught. average

73,8 **Frame** **-0,48**

69,8 **Dairy Strength** **-3,04**

75,0 **Feet & Legs** **-0,50**

74,5 **Udder** **-2,61**

**SHI** **-234,8**

**rank** **673.**

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |                   |                |
|-------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date        | State Register |
| <b>ROBBER-ET</b>  | <b>DE000341803534</b> | <b>05.04.1997</b> | <b>RUD-003</b> |
| Country of origin | DE                    | <b>Breed</b>      | R100           |
| Distributor       | INSEMAS s.r.o.        | Herdbook          | HA             |
|                   |                       | Paternity         | 23.05.1997     |
|                   |                       | DEU               | 97/7355        |

### Pedigree

|                |            |                        |
|----------------|------------|------------------------|
| <b>Sire</b>    | <b>PGS</b> | LATUCH FAGIN RUSTY RED |
| RUDI           |            | US000001892411         |
| DE000609695599 | <b>PGD</b> | CIANKE 243             |
| RY-001         |            | DE000607277499         |
| <b>Dam</b>     | <b>MGS</b> | BUTT                   |
| ELKE           |            | DE001020867970         |
| DE001021064544 | <b>MGD</b> | ELKE                   |
|                |            | DE001020656995         |

|                             |            |           |            |             |             |            |              |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>145</b> | Daug.       | <b>1903</b> | Rel.       | <b>99 %</b>  | <b>SPI</b> | <b>-1821</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        | %            | rank       | 834.         |
| <b>38144</b>                |            |           |            | <b>-306</b> |             | <b>-18</b> | <b>-0,14</b> | <b>SCS</b> | <b>2,95</b>  |
|                             |            |           |            |             |             | <b>-14</b> | <b>-0,11</b> | rank       | 462.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>24 / 11</b> | Daug. | <b>159</b> | 76,4 | Rel. | <b>92 %</b> | <b>TYPE</b> | <b>-2,42</b> |
|                  |             |       |                |       |            |      |      | rank        | 834.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,47 |    |    |   |    |    |
| Angularity            | -0,82 |    |    |   |    |    |
| Chest Width           | -0,00 |    |    |   |    |    |
| Body Depth            | -0,06 |    |    |   |    |    |
| Rump Angle            | 0,07  |    |    |   |    |    |
| Rear Legs Side View   | 0,29  |    |    |   |    |    |
| Foot Angle            | 0,39  |    |    |   |    |    |
| Fore Udder Attachment | -0,43 |    |    |   |    |    |
| Front Teat Placement  | -1,40 |    |    |   |    |    |
| Teat Length           | -0,64 |    |    |   |    |    |
| Rear Udder Height     | -0,74 |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,88 |    |    |   |    |    |
| Udder Depth           | -1,80 |    |    |   |    |    |
| Rump Width            | 0,16  |    |    |   |    |    |
| Rear Legs Rear View   | -0,32 |    |    |   |    |    |
| Rear Teat Placement   | -1,85 |    |    |   |    |    |
| Locomotion            | 0,13  |    |    |   |    |    |
| Body Condition        | 0,32  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 78,5 | <b>Frame</b>           | <b>-1,62</b>  |
| 76,4 | <b>Dairy Strength</b>  | <b>-2,25</b>  |
| 79,1 | <b>Feet &amp; Legs</b> | <b>0,74</b>   |
| 74,1 | <b>Udder</b>           | <b>-2,82</b>  |
|      | <b>SHI</b>             | <b>-151,6</b> |
|      | rank                   | 647.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                       |              |                |
|-------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number   | Birth date   | State Register |
| <b>PONTIAC</b>    | <b>SK000026054852</b> | 18.11.1991   | <b>PTC-008</b> |
| Country of origin | SK                    | <b>Breed</b> | H100           |
| Distributor       |                       | Herdbook     | HA             |
|                   |                       | Paternity    |                |

### Pedigree

|                           |            |                         |
|---------------------------|------------|-------------------------|
| <b>Sire</b>               | <b>PGS</b> | CARLIN-M IVANHOE BELL   |
| ART ACRES BELL PONTIAC-ET |            | US000001667366          |
| US000001878472            | <b>PGD</b> | ART-ACRES ELEVATION KAY |
| PTC-001                   |            | US000008733981          |
| <b>Dam</b>                | <b>MGS</b> | MICKY                   |
| SK000021344807            |            | DE000000123165          |
|                           | <b>MGD</b> | CEDA                    |
|                           |            | DE000001435191          |

|                             |            |           |    |       |     |       |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|-------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 42 | Daug. | 102 | Rel.  | 93 %  | <b>SPI</b> | -4034      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %     | Prot. | %          | rank       |
| 1882                        |            |           |    | -886  | -35 | -0,05 | -29   | -0,04      | <b>SCS</b> |
|                             |            |           |    |       |     |       |       |            | rank       |
|                             |            |           |    |       |     |       |       |            | 1265.      |
|                             |            |           |    |       |     |       |       |            | 1160.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 9 / 6 | Daug. | 31 | 74,5 | Rel. | 69 % | <b>TYPE</b> | -2,46 |
|                  |             |       |       |       |    |      |      |      | rank        | 835.  |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -0,99 |    |    |   |    |    |
| Angularity            | -0,71 |    |    |   |    |    |
| Chest Width           | -0,44 |    |    |   |    |    |
| Body Depth            | -0,49 |    |    |   |    |    |
| Rump Angle            | -0,68 |    |    |   |    |    |
| Rear Legs Side View   | 0,08  |    |    |   |    |    |
| Foot Angle            | -0,18 |    |    |   |    |    |
| Fore Udder Attachment | -0,35 |    |    |   |    |    |
| Front Teat Placement  | -0,75 |    |    |   |    |    |
| Teat Length           | 0,78  |    |    |   |    |    |
| Rear Udder Height     | -0,85 |    |    |   |    |    |
| Rear Udder Width      | -0,74 |    |    |   |    |    |
| Central Ligament      | -0,29 |    |    |   |    |    |
| Udder Depth           | -0,10 |    |    |   |    |    |
| Rump Width            | -0,99 |    |    |   |    |    |
| Rear Legs Rear View   | -0,26 |    |    |   |    |    |
| Rear Teat Placement   | -0,74 |    |    |   |    |    |
| Locomotion            | -0,16 |    |    |   |    |    |
| Body Condition        | 0,55  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 72,2 | <b>Frame</b>           | -1,77  |
| 72,3 | <b>Dairy Strength</b>  | -2,49  |
| 75,2 | <b>Feet &amp; Legs</b> | -0,69  |
| 76,5 | <b>Udder</b>           | -1,64  |
|      | <b>SHI</b>             | -220,1 |
|      | rank                   | 670.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                             |                       |                   |                    |
|-----------------------------|-----------------------|-------------------|--------------------|
| <b>Bull name</b>            | Registration number   | Birth date        | State Register     |
| <b>REFLECTION RED</b>       | <b>SK006872884823</b> | <b>07.11.1984</b> | <b>RER-136</b>     |
| Country of origin <b>SK</b> |                       | <b>Breed</b>      | <b>R87,5 S12,5</b> |
| Distributor                 |                       | Herdbook          | <b>HB</b>          |
|                             |                       | Paternity         |                    |

### Pedigree

|                           |            |                           |
|---------------------------|------------|---------------------------|
| <b>Sire</b>               | <b>PGS</b> | CITATION R MAPLE          |
| KEENDALE LODGE R KING-RED |            | US000001430145            |
| CA000000330200            | <b>PGD</b> | ROSEHOLM SOVEREIGN EVE    |
| RED-021                   |            | CA000001882910            |
| <b>Dam</b>                | <b>MGS</b> | KEENDALE LODGE R KING-RED |
| SK000068728823            |            | CA000000330200            |
|                           | <b>MGD</b> | SK000033913823            |

|                             |            |           |           |             |            |            |              |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|--------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>30</b> | Daug.       | <b>273</b> | Rel.       | <b>98 %</b>  | <b>SPI</b> | <b>-4315</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |              | rank       | 1282.        |
| <b>5173</b>                 |            |           |           | <b>-933</b> |            | <b>-37</b> | <b>-0,04</b> | <b>SCS</b> | <b>2,93</b>  |
|                             |            |           |           |             |            | <b>-31</b> | <b>-0,07</b> | rank       | 441.         |

|                  |             |       |              |       |           |      |      |             |             |              |
|------------------|-------------|-------|--------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>5 / 2</b> | Daug. | <b>33</b> | 73,8 | Rel. | <b>76 %</b> | <b>TYPE</b> | <b>-2,49</b> |
|                  |             |       |              |       |           |      |      | rank        | 836.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,31 |    |    |   |    |    |
| Angularity            | -0,84 |    |    |   |    |    |
| Chest Width           | 0,67  |    |    |   |    |    |
| Body Depth            | 0,23  |    |    |   |    |    |
| Rump Angle            | 0,21  |    |    |   |    |    |
| Rear Legs Side View   | 0,20  |    |    |   |    |    |
| Foot Angle            | -0,28 |    |    |   |    |    |
| Fore Udder Attachment | -0,60 |    |    |   |    |    |
| Front Teat Placement  | -1,21 |    |    |   |    |    |
| Teat Length           | 0,90  |    |    |   |    |    |
| Rear Udder Height     | -1,40 |    |    |   |    |    |
| Rear Udder Width      | -1,05 |    |    |   |    |    |
| Central Ligament      | -0,42 |    |    |   |    |    |
| Udder Depth           | -1,17 |    |    |   |    |    |
| Rump Width            | -0,29 |    |    |   |    |    |
| Rear Legs Rear View   | -0,39 |    |    |   |    |    |
| Rear Teat Placement   | -1,61 |    |    |   |    |    |
| Locomotion            | -0,08 |    |    |   |    |    |
| Body Condition        | 1,17  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 71,3 | <b>Frame</b>           | <b>-1,16</b>  |
| 70,4 | <b>Dairy Strength</b>  | <b>-1,10</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-1,58</b>  |
| 75,6 | <b>Udder</b>           | <b>-2,48</b>  |
|      | <b>SHI</b>             | <b>-229,5</b> |
|      | rank                   | 672.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

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e-mail: holstein@holstein.sk www.holstein.sk

|                       |                                   |                   |                |
|-----------------------|-----------------------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number               | Birth date        | State Register |
| <b>REFLECTION RED</b> | <b>SK000231183823</b>             | <b>02.11.1983</b> | <b>RER-121</b> |
| Country of origin     | SK                                | <b>Breed</b>      | R87,5 M12,5    |
| Distributor           | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook          | HB             |
|                       |                                   | Paternity         | ..             |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CITATION R MAPLE           |
| KEENDALE LODGE R KING-RED |            | US000001430145             |
| CA000000330200            | <b>PGD</b> | ROSEHOLM SOVEREIGN EVE     |
| RED-021                   |            | CA000001882910             |
| <b>Dam</b>                | <b>MGS</b> | BEAN-PATCH LITTLE FRED-RED |
| SK000002311823            |            | US000001630701             |
|                           | <b>MGD</b> | SK000090778803             |
|                           |            | BER-001                    |

|                             |            |           |            |             |             |            |             |            |              |
|-----------------------------|------------|-----------|------------|-------------|-------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>554</b> | Daug.       | <b>7483</b> | Rel.       | <b>99 %</b> | <b>SPI</b> | <b>-2530</b> |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat        |             | rank       | 985.         |
| <b>147079</b>               |            |           |            | <b>-590</b> |             | <b>-21</b> | <b>0,02</b> | <b>SCS</b> | <b>2,81</b>  |
|                             |            |           |            |             |             | <b>-18</b> | <b>0,01</b> | rank       | 299.         |

|                  |             |       |                |       |            |      |      |             |             |              |
|------------------|-------------|-------|----------------|-------|------------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>40 / 24</b> | Daug. | <b>449</b> | 74,0 | Rel. | <b>97 %</b> | <b>TYPE</b> | <b>-2,50</b> |
|                  |             |       |                |       |            |      |      | rank        | 837.        |              |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -1,97 | [Bar chart] |    |   |    |    |
| Angularity            | -0,68 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,10 | [Bar chart] |    |   |    |    |
| Body Depth            | 0,14  | [Bar chart] |    |   |    |    |
| Rump Angle            | -0,15 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,52  | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,12 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,41 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -1,27 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,35  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,64 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,36 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,62 | [Bar chart] |    |   |    |    |
| Udder Depth           | -0,99 | [Bar chart] |    |   |    |    |
| Rump Width            | -0,32 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,69 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,74 | [Bar chart] |    |   |    |    |
| Locomotion            | 0,08  | [Bar chart] |    |   |    |    |
| Body Condition        | 0,71  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,0 | <b>Frame</b>           | <b>-2,27</b>  |
| 70,5 | <b>Dairy Strength</b>  | <b>-1,73</b>  |
| 76,3 | <b>Feet &amp; Legs</b> | <b>-1,12</b>  |
| 75,1 | <b>Udder</b>           | <b>-1,67</b>  |
|      | <b>SHI</b>             | <b>-176,4</b> |
|      | rank                   | 661.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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e-mail: holstein@holstein.sk www.holstein.sk

|                   |                                   |              |                |
|-------------------|-----------------------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number               | Birth date   | State Register |
| <b>APOLO ET</b>   | <b>SK000026033852</b>             | 19.07.1990   | <b>APO-003</b> |
| Country of origin | SK                                | <b>Breed</b> | H100           |
| Distributor       | SLOVENSKÉ BIOLOGICKÉ SLUŽBY, a.s. | Herdbook     | HA             |
|                   |                                   | Paternity    | 11.12.1990     |
|                   |                                   | SVK          | 4333/17        |

### Pedigree

|                |            |                    |
|----------------|------------|--------------------|
| <b>Sire</b>    | <b>PGS</b> | THONYMA ARISTOKRAT |
| APOLO          |            | US000001608084     |
| DE000002671308 | <b>PGD</b> | CORI               |
| APO-001        |            | DE000002671308K    |
| <b>Dam</b>     | <b>MGS</b> | MICKY              |
| SK000021344807 |            | DE000000123165     |
|                | <b>MGD</b> | CEDA               |
|                |            | DE000001435191     |

|                             |            |           |    |       |     |      |       |            |            |
|-----------------------------|------------|-----------|----|-------|-----|------|-------|------------|------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 33 | Daug. | 63  | Rel. | 89 %  | <b>SPI</b> | -4781      |
| Number controls             |            | <b>BV</b> |    | Milk  | Fat | %    | Prot. | %          | rank       |
| <b>1299</b>                 |            |           |    | -1156 | -41 | 0,07 | -32   | 0,10       | <b>SCS</b> |
|                             |            |           |    |       |     |      |       |            | rank       |
|                             |            |           |    |       |     |      |       |            | 1186.      |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 6 / 4 | Daug. | 13 | 74,7 | Rel. | 50 % | <b>TYPE</b> | -2,62 |
|                  |             |       |       |       |    |      |      |      | rank        | 838.  |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -2,09 | [Bar chart] |    |   |    |    |
| Angularity            | -1,30 | [Bar chart] |    |   |    |    |
| Chest Width           | 0,09  | [Bar chart] |    |   |    |    |
| Body Depth            | -0,28 | [Bar chart] |    |   |    |    |
| Rump Angle            | -0,34 | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 0,03  | [Bar chart] |    |   |    |    |
| Foot Angle            | 0,15  | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,53 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,67 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,66  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -1,21 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -1,03 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,15 | [Bar chart] |    |   |    |    |
| Udder Depth           | -0,67 | [Bar chart] |    |   |    |    |
| Rump Width            | -0,45 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | 0,11  | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,95 | [Bar chart] |    |   |    |    |
| Locomotion            | -0,11 | [Bar chart] |    |   |    |    |
| Body Condition        | 0,97  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 74,3 | <b>Frame</b>           | -2,49  |
| 71,8 | <b>Dairy Strength</b>  | -3,20  |
| 75,3 | <b>Feet &amp; Legs</b> | 0,03   |
| 76,2 | <b>Udder</b>           | -1,76  |
|      | <b>SHI</b>             | -249,1 |
|      | rank                   | ...    |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                                   |                       |              |                |
|-----------------------------------|-----------------------|--------------|----------------|
| <b>Bull name</b>                  | Registration number   | Birth date   | State Register |
| <b>MEDZICILIZIE JIMTOWN DEREN</b> | <b>SK000029287853</b> | 24.11.1995   | <b>JIM-001</b> |
| Country of origin <b>SK</b>       |                       | <b>Breed</b> | H100           |
| Distributor                       |                       | Herdbook     | HA             |
|                                   |                       | Paternity    | ...            |

### Pedigree

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Sire</b>    | <b>PGS</b> | BIS-MAY TRADITION CLEITUS |
| ETAZON JIMTOWN |            | US000001879085            |
| NL000960250666 | <b>PGD</b> | RUANN APPLES SAUCE        |
|                |            | US000010878466            |
| <b>Dam</b>     | <b>MGS</b> | HOLIM STANS TORNEDO-ET    |
| MARGO 43       |            | NL000785532529            |
| SK000019080813 | <b>MGD</b> | MARGO 36                  |
|                |            | NL000604691439            |

|                             |            |           |           |             |            |            |             |            |              |
|-----------------------------|------------|-----------|-----------|-------------|------------|------------|-------------|------------|--------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>31</b> | Daug.       | <b>107</b> | Rel.       | <b>94 %</b> | <b>SPI</b> | <b>-2715</b> |
| Number controls             |            | <b>BV</b> |           | Milk        |            | Fat        |             | rank       | 1020.        |
| <b>2220</b>                 |            |           |           | <b>-678</b> |            | <b>-21</b> | <b>0,10</b> | <b>SCS</b> | <b>3,05</b>  |
|                             |            |           |           |             |            | <b>-19</b> | <b>0,05</b> | rank       | 598.         |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>10 / 6</b> | Daug. | <b>15</b> | 73,1 | Rel. | <b>56 %</b> | <b>TYPE</b> | <b>-2,79</b> |
|                  |             |       |               |       |           |      |      | rank        | 839.        |              |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,45 |    |    |   |    |    |
| Angularity            | 0,19  |    |    |   |    |    |
| Chest Width           | -0,97 |    |    |   |    |    |
| Body Depth            | -1,01 |    |    |   |    |    |
| Rump Angle            | -1,35 |    |    |   |    |    |
| Rear Legs Side View   | 1,40  |    |    |   |    |    |
| Foot Angle            | -1,24 |    |    |   |    |    |
| Fore Udder Attachment | 0,04  |    |    |   |    |    |
| Front Teat Placement  | -0,46 |    |    |   |    |    |
| Teat Length           | -0,56 |    |    |   |    |    |
| Rear Udder Height     | -0,05 |    |    |   |    |    |
| Rear Udder Width      | -0,54 |    |    |   |    |    |
| Central Ligament      | -0,54 |    |    |   |    |    |
| Udder Depth           | 0,52  |    |    |   |    |    |
| Rump Width            | -1,16 |    |    |   |    |    |
| Rear Legs Rear View   | -0,82 |    |    |   |    |    |
| Rear Teat Placement   | -0,26 |    |    |   |    |    |
| Locomotion            | -0,17 |    |    |   |    |    |
| Body Condition        | 0,00  |    |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 75,5 | <b>Frame</b>           | <b>-2,63</b>  |
| 71,1 | <b>Dairy Strength</b>  | <b>-1,00</b>  |
| 71,7 | <b>Feet &amp; Legs</b> | <b>-2,58</b>  |
| 73,5 | <b>Udder</b>           | <b>-1,15</b>  |
|      | <b>SHI</b>             | <b>-193,5</b> |
|      | rank                   | ...           |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

## HERDBOOK - BULL CARD

Nádražná 36, 900 28 Ivanka pri Dunaji  
tel.: +421 - 2 - 4594 3715, 4594 3741  
e-mail: holstein@holstein.sk www.holstein.sk

|                   |                      |              |                |
|-------------------|----------------------|--------------|----------------|
| <b>Bull name</b>  | Registration number  | Birth date   | State Register |
| <b>SEVER</b>      | <b>BG00000083023</b> | 10.01.1983   | <b>SIV-001</b> |
| Country of origin | BG                   | <b>Breed</b> | H100           |
| Distributor       |                      | Herdbook     | HA             |
|                   |                      | Paternity    | ..             |

### Pedigree

|                |            |                          |
|----------------|------------|--------------------------|
| <b>Sire</b>    | <b>PGS</b> | PACLAMAR BOOTMAKER       |
| SILVER         |            | US000001450228           |
| XX000005002223 | <b>PGD</b> | CALRICK MAYME MAID,CHIEF |
|                |            | US000007541501           |
| <b>Dam</b>     | <b>MGS</b> | BJORING FVIL             |
| ALENA          |            | XX000000009219           |
| BG000000118990 | <b>MGD</b> | BG000000000100           |

|                             |            |           |     |             |      |            |      |              |             |
|-----------------------------|------------|-----------|-----|-------------|------|------------|------|--------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 237 | Daug.       | 1884 | Rel.       | 99 % | <b>SPI</b>   | -3791       |
| Number controls             |            | <b>BV</b> |     | Milk        |      | Fat        | %    | Prot.        | %           |
| <b>38256</b>                |            |           |     | <b>-873</b> |      | <b>-35</b> |      | <b>-0,04</b> |             |
|                             |            |           |     |             |      |            |      | <b>-25</b>   | <b>0,04</b> |
|                             |            |           |     |             |      |            |      | <b>rank</b>  | 1234.       |
|                             |            |           |     |             |      |            |      | <b>SCS</b>   | <b>2,41</b> |
|                             |            |           |     |             |      |            |      | rank         | 43.         |

|                  |             |       |         |       |    |      |      |      |             |       |
|------------------|-------------|-------|---------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 13 / 12 | Daug. | 65 | 73,6 | Rel. | 84 % | <b>TYPE</b> | -2,79 |
|                  |             |       |         |       |    |      |      |      | rank        | 840.  |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -2,05 | [Bar chart] |    |   |    |    |
| Angularity            | -1,20 | [Bar chart] |    |   |    |    |
| Chest Width           | 0,44  | [Bar chart] |    |   |    |    |
| Body Depth            | 0,07  | [Bar chart] |    |   |    |    |
| Rump Angle            | 0,29  | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | -0,13 | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,79 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,94 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -0,89 | [Bar chart] |    |   |    |    |
| Teat Length           | -0,10 | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -0,96 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,73 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,05 | [Bar chart] |    |   |    |    |
| Udder Depth           | -0,98 | [Bar chart] |    |   |    |    |
| Rump Width            | -0,06 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,44 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -0,81 | [Bar chart] |    |   |    |    |
| Locomotion            | 0,19  | [Bar chart] |    |   |    |    |
| Body Condition        | 1,05  | [Bar chart] |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 72,6 | <b>Frame</b>           | <b>-2,02</b>  |
| 70,2 | <b>Dairy Strength</b>  | <b>-2,44</b>  |
| 75,1 | <b>Feet &amp; Legs</b> | <b>-1,66</b>  |
| 74,9 | <b>Udder</b>           | <b>-1,76</b>  |
|      | <b>SHI</b>             | <b>-226,0</b> |
|      | rank                   | 671.          |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)



## HERDBOOK - BULL CARD

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|                      |                       |                   |                |
|----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>     | Registration number   | Birth date        | State Register |
| <b>STRING MILTON</b> | <b>NL000320825242</b> | <b>14.08.1991</b> | <b>SUB-001</b> |
| Country of origin    | NL                    | <b>Breed</b>      | H100           |
| Distributor          | Bioma s.r.o.          | Herdbook          | HA             |
|                      |                       | Paternity         | 20.03.1992     |
|                      |                       | NLD               | 019200737240   |

### Pedigree

|                        |            |                           |
|------------------------|------------|---------------------------|
| <b>Sire</b>            | <b>PGS</b> | NEHLS CHIEF CRUSADER      |
| SKALSUMER SUNNY BOY-ET |            | US000001723121            |
| NL000311651443         | <b>PGD</b> | SKALSUMER PIETJE 175      |
|                        |            | NL000307400576            |
| <b>Dam</b>             | <b>MGS</b> | RIPVALLEY NA BELL TROY-ET |
| STRING GEERTJE 445     |            | US000001882797            |
| NL000317705359         | <b>MGD</b> | S GEERTJE 308             |
|                        |            | NL000310959113            |

|                             |            |           |    |           |     |           |              |            |             |
|-----------------------------|------------|-----------|----|-----------|-----|-----------|--------------|------------|-------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | 15 | Daug.     | 202 | Rel.      | 97 %         | <b>SPI</b> | -329        |
| Number controls             |            | <b>BV</b> |    | Milk      |     | Fat       | %            | rank       | 489.        |
| <b>3616</b>                 |            |           |    | <b>20</b> |     | <b>-5</b> | <b>-0,13</b> | <b>SCS</b> | <b>3,78</b> |
|                             |            |           |    |           |     | <b>-3</b> | <b>-0,09</b> | rank       | 1217.       |

|                  |             |       |       |       |    |      |      |      |             |       |
|------------------|-------------|-------|-------|-------|----|------|------|------|-------------|-------|
| <b>Type data</b> | SHA 11/2017 | Herds | 8 / 5 | Daug. | 64 | 74,8 | Rel. | 85 % | <b>TYPE</b> | -2,94 |
|                  |             |       |       |       |    |      |      | rank | 841.        |       |

| Linear Traits         | BV    | -2 | -1 | 0 | +1 | +2 |
|-----------------------|-------|----|----|---|----|----|
| Stature               | -1,14 |    |    |   |    |    |
| Angularity            | -0,59 |    |    |   |    |    |
| Chest Width           | -0,37 |    |    |   |    |    |
| Body Depth            | -1,10 |    |    |   |    |    |
| Rump Angle            | 0,61  |    |    |   |    |    |
| Rear Legs Side View   | 0,24  |    |    |   |    |    |
| Foot Angle            | -0,13 |    |    |   |    |    |
| Fore Udder Attachment | -1,32 |    |    |   |    |    |
| Front Teat Placement  | -0,90 |    |    |   |    |    |
| Teat Length           | 1,15  |    |    |   |    |    |
| Rear Udder Height     | -0,67 |    |    |   |    |    |
| Rear Udder Width      | -0,03 |    |    |   |    |    |
| Central Ligament      | -0,36 |    |    |   |    |    |
| Udder Depth           | -1,79 |    |    |   |    |    |
| Rump Width            | -1,15 |    |    |   |    |    |
| Rear Legs Rear View   | -0,73 |    |    |   |    |    |
| Rear Teat Placement   | -1,58 |    |    |   |    |    |
| Locomotion            | -0,10 |    |    |   |    |    |
| Body Condition        | 0,12  |    |    |   |    |    |

daught. average

|      |                        |        |
|------|------------------------|--------|
| 75,2 | <b>Frame</b>           | -2,10  |
| 71,5 | <b>Dairy Strength</b>  | -2,58  |
| 76,0 | <b>Feet &amp; Legs</b> | -1,17  |
| 75,5 | <b>Udder</b>           | -2,23  |
|      | <b>SHI</b>             | -127,3 |
|      | rank                   | 626.   |

SK 10/2017 Milk production breeding values released by (Slovak State Breeding Institute), SCS - somatic cells

SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)

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|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| <b>Bull name</b>      | Registration number   | Birth date        | State Register |
| <b>REFLECTION RED</b> | <b>SK001676183823</b> | <b>12.10.1983</b> | <b>RER-124</b> |
| Country of origin     | SK                    | <b>Breed</b>      | R87,5 M12,5    |
| Distributor           | Slovensko             | Herdbook          | HB             |
|                       |                       | Paternity         | ..             |

### Pedigree

|                           |            |                            |
|---------------------------|------------|----------------------------|
| <b>Sire</b>               | <b>PGS</b> | CITATION R MAPLE           |
| KEENDALE LODGE R KING-RED |            | US000001430145             |
| CA000000330200            | <b>PGD</b> | ROSEHOLM SOVEREIGN EVE     |
| RED-021                   |            | CA000001882910             |
| <b>Dam</b>                | <b>MGS</b> | BEAN-PATCH LITTLE FRED-RED |
| SK000016761823            |            | US000001630701             |
|                           | <b>MGD</b> | SK000002357823             |
|                           |            | BER-001                    |

|                             |            |           |            |             |             |           |             |             |                  |
|-----------------------------|------------|-----------|------------|-------------|-------------|-----------|-------------|-------------|------------------|
| <b>Milk production data</b> | SK 10/2017 | Herds     | <b>325</b> | Daug.       | <b>3920</b> | Rel.      | <b>99 %</b> | <b>SPI</b>  | <b>-1178</b>     |
| Number controls             |            | <b>BV</b> |            | Milk        |             | Fat       |             | %           | Prot. %          |
| <b>77415</b>                |            |           |            | <b>-245</b> |             | <b>-6</b> |             | <b>0,06</b> | <b>-11 -0,07</b> |
|                             |            |           |            |             |             |           |             | <b>SCS</b>  | <b>2,91</b>      |
|                             |            |           |            |             |             |           |             | rank        | 689.             |
|                             |            |           |            |             |             |           |             | rank        | 413.             |

|                  |             |       |               |       |           |      |      |             |             |              |
|------------------|-------------|-------|---------------|-------|-----------|------|------|-------------|-------------|--------------|
| <b>Type data</b> | SHA 11/2017 | Herds | <b>14 / 9</b> | Daug. | <b>97</b> | 73,8 | Rel. | <b>89 %</b> | <b>TYPE</b> | <b>-4,07</b> |
|                  |             |       |               |       |           |      |      |             | rank        | 842.         |

| Linear Traits         | BV    | -2          | -1 | 0 | +1 | +2 |
|-----------------------|-------|-------------|----|---|----|----|
| Stature               | -2,57 | [Bar chart] |    |   |    |    |
| Angularity            | -0,24 | [Bar chart] |    |   |    |    |
| Chest Width           | -0,65 | [Bar chart] |    |   |    |    |
| Body Depth            | -0,53 | [Bar chart] |    |   |    |    |
| Rump Angle            | 0,57  | [Bar chart] |    |   |    |    |
| Rear Legs Side View   | 1,26  | [Bar chart] |    |   |    |    |
| Foot Angle            | -0,76 | [Bar chart] |    |   |    |    |
| Fore Udder Attachment | -0,73 | [Bar chart] |    |   |    |    |
| Front Teat Placement  | -1,16 | [Bar chart] |    |   |    |    |
| Teat Length           | 0,70  | [Bar chart] |    |   |    |    |
| Rear Udder Height     | -1,21 | [Bar chart] |    |   |    |    |
| Rear Udder Width      | -0,93 | [Bar chart] |    |   |    |    |
| Central Ligament      | -0,36 | [Bar chart] |    |   |    |    |
| Udder Depth           | -1,77 | [Bar chart] |    |   |    |    |
| Rump Width            | -0,31 | [Bar chart] |    |   |    |    |
| Rear Legs Rear View   | -0,71 | [Bar chart] |    |   |    |    |
| Rear Teat Placement   | -1,27 | [Bar chart] |    |   |    |    |
| Locomotion            | -0,13 | [Bar chart] |    |   |    |    |
| Body Condition        | -0,14 | [Bar chart] |    |   |    |    |

daught. average

|      |                        |               |
|------|------------------------|---------------|
| 73,4 | <b>Frame</b>           | <b>-3,42</b>  |
| 73,9 | <b>Dairy Strength</b>  | <b>-1,50</b>  |
| 75,2 | <b>Feet &amp; Legs</b> | <b>-2,95</b>  |
| 73,3 | <b>Udder</b>           | <b>-3,12</b>  |
|      | <b>SHI</b>             | <b>-198,3</b> |
|      | rank                   | 669.          |

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SHA 11/2017 Type breeding values released by (Slovak Holstein Association)

Breeding values overall conformation score (scale from 50 to 100), linear traits (scale from 1 to 9).

SHI Slovak Holstein Index (60 % SPI + 40 % TYPE)