

## DNA PROFILE CERTIFICATE

### General Information:

| Test Animal      |                  |
|------------------|------------------|
| ANIMAL ID/NAME   | JRP120062        |
| MICROCHIP NUMBER | Not Provided     |
| SPECIES          | CATTLE           |
| GENDER           | MALE             |
| OWNER            | SERNICK EDMS BPK |
| LAB. NO          | C17-14043        |

### DNA Profiling\* Results:

| STR Marker | Allele 1 | Allele 2 |
|------------|----------|----------|
| TGLA227    | 77       | 93       |
| BM2113     | 139      | 139      |
| TGLA053    | 160      | 160      |
| ETH10      | 211      | 213      |
| ILSTS011   | 264      | 268      |
| SPS113     | 141      | 153      |
| RM067      | 90       | 92       |
| TGLA126    | 115      | 115      |
| TGLA122    | 143      | 151      |
| INRA023    | 202      | 214      |

| STR Marker | Allele 1 | Allele 2 |
|------------|----------|----------|
| BM1818     | 262      | 264      |
| ETH003     | 117      | 121      |
| ETH225     | 148      | 150      |
| BM1824     | 182      | 192      |
| SPS115     | 254      | 260      |
| CSRM060    | 92       | 100      |
| MGTG4B     | 135      | 141      |
| CSSM066    | 189      | 189      |
| ILSTS006   | 284      | 288      |

\* The DNA profile represents the standardised alleles for the 12 International Society for Animal Genetics (ISAG, 2016) recommended markers. These alleles were obtained from STR analysis by capillary electrophoresis. The DNA profile includes additional markers as recommended by the Food and Agriculture Organization of the United Nations (FAO) for routine bovine parentage testing and identification.

  
 Analyst 1

  
 Analyst 2

09 October 2017  
 Date

09 October 2017  
 Date

\*\*See disclaimer on reverse side

***\*\*Disclaimer***

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