



agriculture,  
forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF AGRICULTURE, FORESTRY & FISHERIES

ANIMAL PRODUCTION

2022 -03- 30

PRETORIA

DEPARTMENT OF AGRICULTURE, FORESTRY & FISHERIES

VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2022/03/30  
EXPIRY DATE: 2022/09/29

IMPORTATION OF SEMEN: AUTHORISATION NO. S0106/22-1  
(Issued in terms of section 16 of the Animal Improvement Act, 1998)  
Expiry date: 2022/09/29 for Authorization No. S0106/22-1

Authorization is hereby granted to: GE DAIRY SUPPLIES (PTY) LTD.

of: 7 ISOTOPE STREET, TRIANGLE INDUSTRIA, BELLVILLE, 7530.

for the importation BOVINE semen of the ANGUS breed  
from (country of origin): USA.

Semen will be cleared by:  
GE DAIRY SUPPLIES (PTY) LTD.

| Name of Animals       | Reg. No.     | Number of doses |
|-----------------------|--------------|-----------------|
| RREDS PATHFINDER F811 | 3952885      | 100             |
| S A V RAINDANCE 6848  | AAA 18578965 | 60              |
| S A V TERRITORY 7225  | AAA 18913034 | 63              |
| STRA RELENTLESS       | 3955293      | 23              |
| BIEBER BRAVE E573     | 3761665      | 246             |

INGURAN LLC DBA ST GENETICS, 22575 STATE HIGHWAY 6 SOUTH NAVASOTA, TX  
77868, USA.

TOTAL: 492

**CONDITION**

- Certification by the exporting country that the number of unfrozen (live) spermatozoa per dose complies with the minimum amount specified on the reverse side of this document.
- DNA profiles must be provided to the Registrar of Animal Improvement, and the relevant Breeders Society before release from quarantine, if not available at time of importation.

This authorization is subject to the compliance with the veterinary requirements set out in the attached permit and is also subject thereto that the intended importation meets with all the provisions of the said Act. This authorization does not exempt the importer from the provisions of any other law. This authorization may withdrawn by the Registrar should any false information be discovered in the application. This authorization is also not transferable. Imported semen shall under no circumstances be transferred, sold, given or donated to may other person or body unless prior written approval from the Registrar has been obtained. Any such approval shall be considered as new application for the importation of semen.

PP

REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2022/03/30

# Red Angus Association of America

STRA RELENTLESS

03/05/2018

Polled Red Angus Bull

3955293

Name

Birth Date

Registration Number

8120

Tattoo

| Name                      | RAA Number | Identification | Birth Date | Foreign Number | 5th Generation                  |
|---------------------------|------------|----------------|------------|----------------|---------------------------------|
| CCF GOLD BAR 0251         | 924711     | 0251           | 10/29/2002 |                | Sire: LCHANN GOLD ROBBER 1909E  |
| LACY GOLD BAR 8123        | 1294649    | 8123           | 09/10/2008 |                | Dam: GMR PRINCESS 720           |
| LACY MS CHEROKEE 557P     | 1016056    | 557P           | 09/06/2004 |                | Sire: BECK CHEROKEE CNYN 4912   |
| BIEBER HARD DRIVE Y120    | 1436718    | Y120           | 02/11/2011 |                | Dam: LACY MS ANNIE 154M         |
| LIC MISSION STATEMENT P27 | 960383     | P27            | 02/23/2004 |                | Sire: LIC LANCER 806            |
| BIEBER LAURA 158W         | 1311673    | 158W           | 02/17/2009 |                | Dam: LIC HANNAH 106             |
| BASIN LAURA 5301          | 1051953    | 5301           | 01/28/2005 |                | Sire: C A FUTURE DIRECTION 5321 |
| BIEBER DRIVEN C540        | 3474416    | C540           | 03/22/2015 |                | Dam: BASIN LAURA 3673           |
| BIEBER MAKE MIMI 7249     | 663262     | 7249           | 02/13/1999 |                | Sire: BIR MAKE MY DAY 981       |
| LCOC HIGH NOON A093R      | 1039801    | A093R          | 01/05/2005 |                | Dam: BECK SIRENA 6708           |
| SRN HI DEE 3021           | 893277     | 3021           | 01/05/2003 |                | Sire: BECK CHEROKEE CNYN 4912   |
| BIEBER JOAN 309Y          | 1437026    | 309Y           | 03/23/2011 |                | Dam: SRN HI DEE 1005            |
| BIEBER NONE COMPARE3471   | 479049     | 5471           | 02/16/1995 |                | Sire: LMAN NONE BETTER 9604     |
| BIEBER JOAN 7502          | 663514     | 7502           | 04/06/1999 |                | Dam: BEBER QUEEN 4672           |
| BIEBER JOAN 5052          | 409949     | 5052           | 05/04/1993 |                | Sire: BEBER REIDABEL 3977       |
|                           |            |                |            |                | Dam: BEBER JOAN 3729            |

STRA RELENTLESS

3955293

8120

03/05/2018

|                           |         |       |            |  |                                |
|---------------------------|---------|-------|------------|--|--------------------------------|
| BECKTON NEBULA M045       | 854775  | M045  | 02/19/2002 |  | Sire: BECKTON NEPTUNE R2 K065  |
| BECKTON NEBULA P P707     | 979031  | P707  | 04/01/2004 |  | Dam: BECKTON BELGA K285 JL     |
| BECKTON LANA M809 EP      | 855048  | M809  | 04/14/2002 |  | Sire: BECKTON ERIC K1 K863     |
| LARSON SUN KING 016       | 1384618 | 016   | 02/04/2010 |  | Dam: BECKTON LANA K233 DM      |
| LCC MAJOR LEAGUE A502M    | 832407  | A502M | 01/29/2002 |  | Sire: BECK CHEROKEE CNYN 4912  |
| LARSON TAMARA 545-556     | 1036146 | 545   | 02/13/2005 |  | Dam: KRN REBAS ROBIN           |
| LARSON TAM 556-170        | 477356  | 556   | 02/21/1995 |  | Sire: LMAN IMPRESSIVE ROB10958 |
| STRA CHERABEL 305         | 1632268 | 305   | 02/17/2013 |  | Dam: LARSON TAM 170            |
| WR MR. RED DAWG 5335      | 1046249 | 5335  | 03/25/2005 |  | Sire: BUF CRK VALENTINO N031   |
| OHRR TRACKER II 25R-13W   | 1339933 | 13W   | 02/04/2009 |  | Dam: TMA5 MS FORTUNE 114       |
| OHRR 42L COPPER HONEY 25R | 1025375 | 25R   | 01/29/2005 |  | Sire: OHRR DAKOTA COPPER 29K   |
| STRA MISS TRACKER 141     | 1456450 | 141   | 03/06/2011 |  | Dam: OHRR MACS HONEY 42L       |
| BADLANDS CUT ABOVE 012    | 733767  | 012   | 03/22/2000 |  | Sire: LEACHMAN END CUT 1383G   |
| PFRR CHERABEL 227         | 836258  | 227   | 02/10/2002 |  | Dam: BADLANDS CEDAR 624        |
| SBCC CHERABEL L-419       | 413856  | 419   | 03/12/1993 |  | Sire: BEBER LUCAS 2846         |
|                           |         |       |            |  | Dam: BIR CHERABEL 578-5212     |

**RED ANGUS**

RANCH TESTED. RANCHER TRUSTED.

FIVE GENERATION EXTENDED PEDIGREE

18335 E. 103rd Avenue, Suite 202 • Commerce City, CO 80022-3103

(940) 387-3502 • FAX (888) 829-6069

Email: [info@redangus.org](mailto:info@redangus.org) • Website: [www.redangus.org](http://www.redangus.org)

John T Brink, Chief Executive Officer

Printed: February 15, 2022

The data listed in this pedigree is a true and accurate representation of the Red Angus Database. To the best of my knowledge, no genetic abnormalities have been reported to this animal.

*John T Brink*

# Batch Detail Report

Created : 2022-10-17

Batch : 10817U  
 Owner : GE Dairy Supplies  
 Owner Email:devlin@gedairy.co.za  
 Owner CellPhone No. :+27-78-156-0064

Farm :  
 Account : GEDA01  
 Origin : PRIVATE  
 Invoice To : Owner

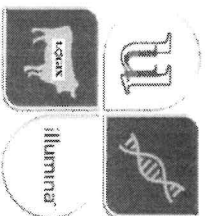
| SAMPLE    | ANIMAL                          | SPECIES | BREED      | DAM | SIRE | TEST    | Tissue Type | RESULT                | INVOICE |
|-----------|---------------------------------|---------|------------|-----|------|---------|-------------|-----------------------|---------|
| 10817U001 | STRA RELENTLESS<br>8120 (M,23)  | CATTLE  | ANGUS (23) |     |      | SNP50_C | Semen Straw | IG50 :<br>IGENITY 50K |         |
| 10817U002 | S A V TERRITORY 7225<br>(M,23)  | CATTLE  | ANGUS (23) |     |      | SNP50_C | Semen Straw | IG50 :<br>IGENITY 50K |         |
| 10817U003 | BIEBER BRAVE E573<br>(M,23)     | CATTLE  | ANGUS (23) |     |      | SNP50_C | Semen Straw | IG50 :<br>IGENITY 50K |         |
| 10817U004 | BEAR MTN JUSTIFY<br>7596 (M,23) | CATTLE  | ANGUS (23) |     |      | SNP50_C | Semen Straw | IG50 :<br>IGENITY 50K |         |

Report Date : 15-Nov-2022 11:05

Page : 1

Unisel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.  
 Disclaimer: While every reasonable effort is made to prevent faulty results, Unisel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error.  
 Should gross negligence be proven the claim shall not exceed the value of the contract.  
 Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unisel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unisel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW  
 DIVISION MANAGER



Unistel Medical Laboratories  
**Genetic Report**  
BOVINESNP50-24 v3 BeadChip

Animal Tested:

GE Dairy Supplies  
Angus  
STRA RELENTLESS 8120  
10817U001

Sample type:

Semen

| Description      | Mutations                 | Status              | Description  | Mutations Tested                 | Status                                                                   |
|------------------|---------------------------|---------------------|--------------|----------------------------------|--------------------------------------------------------------------------|
| Coat colouration | MC1R - e                  | E+/E+               | Meat         | Calpain 1 - 316                  | G/C                                                                      |
|                  | MC1R - ED                 | E+/E+               | Tenderness   | Calpain 1 - 4751                 | C/C                                                                      |
|                  | PMEL17 Dilution           | +/+                 |              | Calpain 1 - 530                  | G/G                                                                      |
|                  | Silver Dilution type 1    | +/+                 |              | Calpastain - 282                 | G/C                                                                      |
|                  | Silver Dilution type 2    | +/+                 |              | Calpastain - 2870                | A/G                                                                      |
| Myostatin Status | Myostatin C313Y           | Clear               | Milk status  | Calpastain - 2959                | A/G                                                                      |
|                  | Myostatin E226X           | Clear               |              | Beta Casein - 245                | A2/A2                                                                    |
|                  | Myostatin E291X           | Clear               |              | Beta Casein - 411                | B/B                                                                      |
|                  | Myostatin nt419           | Clear               |              | Kappa Casein - 352               | A/A                                                                      |
|                  | Myostatin nt821           | Clear               |              | Kappa Casein - 467               | A/A                                                                      |
|                  | Myostatin Q204X           | Clear               |              | Kappa Casein - 470               | A/B                                                                      |
|                  | Myostatin D182N           | Clear               |              | Kappa Casein - 506               | A/B                                                                      |
|                  | Myostatin F94L            | Clear               |              | Kappa Casein - 526               | A/A                                                                      |
|                  | Myostatin S105C           | Clear               |              |                                  |                                                                          |
|                  | E7 mutation               | Clear               |              |                                  |                                                                          |
| POMPE Status     | E13 mutation              | Clear               | Milk quality | Growth Hormone F279Y             | Increased milk, casein & lactose yield;<br>decreased protein & fat yield |
|                  | E18 mutation              | Clear               |              | Growth Hormone 2141              | Normal milk protein & fat yield                                          |
|                  | Polled Celtic             | Homozygous Polled   |              | Growth Hormone 2291              | Normal milk fat yield, fat & protein %                                   |
| Hornedness       |                           |                     |              |                                  |                                                                          |
| Heat Tolerance   | SLICK                     | No resistance       |              | ABCG2 - protein yield milk       | Normal fat, protein & milk yield; normal<br>fat & protein %              |
| Eye Disorders    | Pinkeye resistance        | Reduced risk 16-26% |              | AcylCoA - milk fat percentage    | Normal milk fat & protein concentration,<br>normal milk volume           |
| Bone Disorder    | Osteopetrosis             | Clear               |              | Trimethylaminuria excess in milk | Clear                                                                    |
|                  |                           |                     |              | Yellow milk fat                  | Normal yellow fat                                                        |
| Breed mutations  | Alpha Mannosidosis 961    | Clear               |              |                                  |                                                                          |
|                  | Neuropathic hydrocephalus | Clear               |              |                                  |                                                                          |
|                  | Developmental Duplication | Clear               |              |                                  |                                                                          |
|                  | Mulefoot                  | Clear               |              |                                  |                                                                          |

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individuals nominated by the owner/breeder/requester. This certificate replaces all previous issued certificates. While every effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for any losses that may occur as a result of human or technical error. Should gross negligence be proven, the claim shall not exceed the value of the contract.

## DNA Report

Unistel Medical Laboratories (Pty) Ltd  
An Associated Company of The Unistel Group

**Tel:** Main Switchboard - 021 007 5617  
**Email:** info@unistelmedical.co.za

|                          |                         |
|--------------------------|-------------------------|
| <b>Test Method :</b>     | Fragment Analysis (STR) |
| <b>Batch No :</b>        | 10817U                  |
| <b>Sample # :</b>        | 10817U001               |
| <b>Ownername :</b>       | GE Dairy Supplies       |
| <b>Owner telephone :</b> |                         |
| <b>Owner email :</b>     | devlin@gedairy.co.za    |
| <b>Tag No :</b>          | STRA RELENTLESS 8120    |
| <b>Animal Name :</b>     | STRA RELENTLESS 8120    |
| <b>Microchip # :</b>     |                         |
| <b>Animal Species :</b>  | CATTLE                  |
| <b>Animal Breed :</b>    | ANGUS                   |
| <b>Registration Id :</b> |                         |
| <b>Birth Date :</b>      | 04-Mar-2018             |
| <b>Gender :</b>          | Male                    |
| <b>DNA Ref. No :</b>     |                         |
| <b>Tissue Type</b>       | Semen Straw             |

| Marker   | Allele1 | Allele2 |
|----------|---------|---------|
| BM1818   | 266     | 270     |
| BM1824   | 180     | 180     |
| BM2113   | 135     | 139     |
| CSRM60   | 102     | 104     |
| CSSM66   | 183     | 189     |
| ETH10    | 217     | 221     |
| ETH225   | 144     | 148     |
| ETH3     | 117     | 121     |
| ILSTS006 | 294     | 294     |
| INRA23   | 206     | 206     |
| SPS115   | 254     | 260     |
| TGLA122  | 151     | 151     |
| TGLA126  | 113     | 115     |
| TGLA227  | 81      | 87      |
| TGLA53   | 160     | 164     |

**Created date:** 21-Oct-2022 11:14

**Received date:** 14-Oct-2022 09:12

**Report date:** 08-Nov-2022 06:06

**DNA profile analysed to ISAG specification(2016)**

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Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

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**CHARNÉ ROSSOUW**  
DIVISION MANAGER



GeDarry  
Geno.  
Permit

## BOVINE DNA GENETIC MARKER REPORT

| BOVINE DNA GENETIC MARKER REPORT                            |                |                             |                 |                                 |                |                        |                |
|-------------------------------------------------------------|----------------|-----------------------------|-----------------|---------------------------------|----------------|------------------------|----------------|
| <b>ISSUED TO</b>                                            |                |                             |                 | <b>OWNER INFORMATION</b>        |                |                        |                |
| ST GENETICS<br>CON5404 COUNTY RD D<br>FOND DU LAC, WI 54937 |                |                             |                 |                                 |                |                        |                |
| <b>REPORT ID</b> 1                                          |                |                             |                 | <b>TEST METHOD</b> PROFILE ONLY |                |                        |                |
| <b>RECEIVED DATE</b> 2021/01/25                             |                | <b>TEST DATE</b> 2021/01/27 |                 | <b>REPORT DATE</b> 2021/01/27   |                |                        |                |
| SUBJECT ANIMAL DETAILS                                      |                |                             |                 |                                 |                |                        |                |
| <b>CASE NUMBER</b> BU2021001064                             |                |                             |                 | <b>BARCODE</b>                  |                |                        |                |
| <b>SAMPLE TYPE</b> SEMEN                                    |                |                             |                 | <b>CONDITION</b> ACCEPTABLE     |                |                        |                |
| <b>NAME</b> STRA RELENTLESS                                 |                |                             |                 |                                 |                |                        |                |
| <b>TATTOO</b>                                               |                |                             |                 | <b>REG NUMBER</b> 3955293       |                |                        |                |
| <b>BREED</b> ANGUS                                          |                |                             |                 | <b>SEX</b> MALE                 |                | <b>BIRTH YEAR</b> 2018 |                |
| SIRE INFORMATION                                            |                |                             |                 | DAM INFORMATION                 |                |                        |                |
| <b>NAME</b> BIEBER DRIVEN C540                              |                |                             |                 | <b>NAME</b> STRA CHEREBAL 305   |                |                        |                |
| <b>TATTOO</b>                                               |                |                             |                 | <b>TATTOO</b>                   |                |                        |                |
| <b>REG NUMBER</b> 3474416                                   |                |                             |                 | <b>REG NUMBER</b> 1632268       |                |                        |                |
| RESULTS                                                     |                |                             |                 |                                 |                |                        |                |
| <b>BM 1818</b>                                              | <b>BM 1824</b> | <b>BM 2113</b>              | <b>CYP 21</b>   | <b>ETH 10</b>                   | <b>ETH 225</b> | <b>ETH 3</b>           | <b>INRA 23</b> |
| 266/270                                                     | 180            | 135/139                     | 191/220         | 217/221                         | 144/148        | 117/121                | 206            |
| <b>RM 067</b>                                               | <b>SPS 115</b> | <b>TGLA 126</b>             | <b>TGLA 122</b> | <b>TGLA 227</b>                 | <b>TGLA 53</b> | <b>MGTG 4B</b>         | <b>SPS 113</b> |
| 96/102                                                      | 254/260        | 113/115                     | 151             | 81/87                           | 160/164        | 135                    | 153            |
| <b>COMMENTS:</b>                                            |                |                             |                 |                                 |                |                        |                |

  
 Becky Henderson  
 Senior Customer Service Representative

Signature indicates generation of DNA genetic marker report from previously analyzed data. The results relate only to the sample submitted and/or the sub-sample tested. This DNA profile is standardized to the specifications of the International Society of Animal Genetics (ISAG).  
 Test performed by Bureau Veritas DNA Services Division Unit 2-335 Laird Rd, Guelph, Ontario N1G 4P7.  
 ISAG Institutional Membership code 84509.  
 Industrial Standards Organization 17025 (ISO) and International Committee for Animal Recording (ICAR) accredited.