



agriculture, land reform & rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF AGRICULTURE, LAND REFORM & RURAL DEVELOPMENT
ANIMAL PRODUCTION
2023 -07- 17
PRETORIA 0001
DEPARTMENT OF AGRICULTURE, LAND REFORM & RURAL DEVELOPMENT

VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2023/07/17
EXPIRY DATE: 2024/01/16

IMPORTATION OF SEMEN: AUTHORISATION NO. S0243/23-1

(Issued in terms of section 16 of the Animal Improvement Act, 1998)

Expiry date: 2024/01/16 for Authorization No. S0243/23-1

Authorization is hereby granted to: EMBRIO PLUS.

of: PO BOX 2644, BRITS, 0250.

for the importation BOVINE semen of the ANGUS breed

from (country of origin): UNITED STATES OF AMERICA.

Semen will be cleared by:
EMBRIO PLUS.

Name of Animals	Reg. No.	Number of doses
BROOKING FIREBRAND 6068	1906246	110
DUFF PURE BEEF 217	19641369	90
DUFF RED BLOOD 18114	4091208	200
RREDS BLUE PRINT H001	4287851	200
RREDS SENECA 731C	3491307	650
SAV AMERICA 8018	19249580	200
SAV PRESIDENT 6847	18578964	50

AMERICAN GENETICS, 1029N, BEAULAH STREET, HAWKINS, TEXAS, 75765, USA.

TOTAL: 1500

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 This authorization may withdrawn by the Registrar should any false information be discovered in the application.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.


REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2023/07/17

Embryo Plus t/b 12/23

Geno ✓
Verslag ✓
DNA ✓
Permit ✓

AMERICAN ANGUS ASSOCIATION

3201 Frederick Ave., Saint Joseph, Missouri 64506-2997

PHONE: 816-383-5100

Parentage: SNP

Genomic: Angus GS

Parents Qualified

PERFORMANCE PEDIGREE

NAME OF ANIMAL

DUFF PURE BEEF 217 19127

BREEDER

Duff, Kirk Hobart OK

OWNER

Ashwood Cattle Company LLC Haskell OK

SEX

Bull

FREEZE BRAND

19127

BIRTH DATE

2/14/2019

MEMBER CODE

A-148111

A-1378892

REGISTRY NO.

AAA *19641369

[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]

TAG NO.

19127

As of 3/01/2022

	Production EPD												Maternal EPD						Carcass EPD					
	CED	BW	WW	YW	RADG	DMI	YH	SC	Doc	Claw	Angle	PAP	HP	CEM	Milk	NW	MH	SEN	CW	Marb	RE	Fat	C Grp/Pg	U Grp/Pg
I	+11	+7	+49	+80	+20	-06	-1	-67	+11	+41	+41	+1.60	+7.1	+0	+18	+49	-3	-9	+29	-17	+73	+0.11		
n	.20	.41	.33	.21	.15	.15	.27	.19	.14	.06	.06	.06	.05	.12	.16	.19	.22		.24	.17	.19	.14		
S	+6	+1.2	+28	+53	+17	-07	-6	+20	-3	+44	+41	+1.92	+2.8	-4	+21	-12	-9	+14	+11	-.01	+64	-.001		
i	.30	.52	.45	.34	.26	.26	.38	.31	.26	.16	.16	.17	.13	.26	.30	.30	.32		.33	.29	.29	.25		
r	+7	+1.4	+52	+82	+19	-10	+1	-02	+11	+35	+35	+1.37	+3.9	+2	+22	+6	-3	+9	+25	+08	+70	+0.13		
e	.26	.45	.38	.31	.22	.22	.34	.28	.23	.13	.13	.14	.11	.23	.32	.29	.31		.30	.26	.27	.23		

DUFF NEW ATTRACTION 6110

AAA +*15459488

DUFF E BLAST 8138

AAA *16270552

SIRE

DUFF EMB814G DIXIE ERICA 624

AAA +*15459428

DUFF PURE BEEF 217

AAA +*17778903 (RDF)

O C C EMBLAZON 854E

AAA #+12514348

O C C JUANADA 927K

AAA 13941390

O C C JUANADA 624G

AAA 12885981

DUFF NEW ATTRACTION 6110

AAA +*15459488

DUFF E BLAST 8138

AAA *16270552

DAM

DUFF EMB814G DIXIE ERICA 624

AAA +*15459428

DUFF EB 841M DIXIE ERICA 1120

AAA 17037845

O C C JUST RIGHT 619J

AAA +13492456

O C C DIXIE ERICA 841M

AAA 14272405

O C C DIXIE ERICA 916G

AAA 13071871

	sValues		
	\$M \$W	\$F \$G	\$B \$C
I	+36	+74	+90
n	+45	+16	+153
S	+23	+62	+85
i	+27	+23	+133
r	+61	+77	+104
e	+58	+26	+196

Pathfinder + Embryo Transplant * Parents Qualified

	PRODUCTION												MATERNAL				ULTRASOUND									
	CALV EASE		BIRTH WT		WEAN WT		YEAR WT		YEAR HT		YEAR SC		CALV EASE		WEANING		% IMF		RIBEYE		FAT		RUMP FAT			
	HERDS PROG	IND. OR AVG	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	RATIO	HERDS PROG	RATIO	HERDS DAUS	PROG AVG	HERDS DAUS	PROG RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO		
I				13		13																				
n		1		99		111																				
d																										
P																										
r																										
S			4		3	11	1	6					1	1	1	3										
t			10	101	7	100	1	95					1	1.0	3	91										
i			1		1	10	1	5							1	2										
e			3	96	2	116	2	102							1	96										
D																										
a																										
m																										
M	2		7		7	16	2	14					5	11	13	41	1		1		1		1			
G	2	1.0	41	100	40	101	6	101					11	1.0	30	100	1	104	1	93	1	83	1	111		
S																										
	Calving Ease: 1. No Assistance 2. Some Assistance 3. Mechanical Assistance 4. Caesarean Section 5. Abnormal Presentation																									

Calving Ease:

1. No Assistance
2. Some Assistance3. Mechanical Assistance
4. Caesarean Section

5. Abnormal Presentation



REQUESTED BY:

American Genetics Export Services Hawkins TX

MEMBER
CODE

N-1374347

FILE NO.

X74085

1

DATE
PRINTED

3/1/2022

Mark A. McCully

Chief Executive Officer

1374347

AMERICAN ANGUS ASSOCIATION

3201 Frederick Ave., Saint Joseph, Missouri 64506-2997

PHONE: 816-383-5100

PERFORMANCE PEDIGREE

FREEZE BRAND

NAME OF ANIMAL

SEX

REGISTRY NO.

DATE CALVED

DUFF PURE BEEF 217 19127

Bull

AAA 19641369

2/14/2019

19127

19127

BREEDER

[AMF-CAF-DZF-DDF-M1F-NHF-OHF-OSF-RDF]

Duff, Kirk Hobart OK

O C C GENESIS 872G

AAA +*13085567

DUFF NEW ATTRACTION 6110

AAA +*15459488[CAF-DDF-XF]

O C C DIXIE ERICA 814G

AAA 12966367

DUFF E BLAST 8138

AAA *16270552

O C C EMBLAZON 854E

AAA #+12514348[AMF-CAF-XF]

DUFF EMB814G DIXIE ERICA 624

AAA +*15459428

O C C DIXIE ERICA 814G

AAA 12966367

SIRE

DUFF PURE BEEF 217

AAA +*17778903[RDF]

D H D TRAVELER 6807

AAA #10858958[AMF-M1F-XF]

O C C EMBLAZON 854E

AAA #+12514348[AMF-CAF-XF]

DIXIE ERICA OF C H 1019

AAA 9973782

O C C JUANADA 927K

AAA 13941390[D2F]

HIGH VALLEY 5B5 OF 3D22

AAA 12477370

O C C JUANADA 624G

AAA 12885981

O C C JUANADA 806E

AAA 12514310

O C C GENESIS 872G

AAA +*13085567

DUFF NEW ATTRACTION 6110

AAA +*15459488[CAF-DDF-XF]

O C C DIXIE ERICA 814G

AAA 12966367

DUFF E BLAST 8138

AAA *16270552

O C C EMBLAZON 854E

AAA #+12514348[AMF-CAF-XF]

DUFF EMB814G DIXIE ERICA 624

AAA +*15459428

O C C DIXIE ERICA 814G

AAA 12966367

DAM

DUFF EB 841M DIXIEERICA 1120

AAA 17037845

O C C EMBLAZON 854E

AAA #+12514348[AMF-CAF-XF]

O C C JUST RIGHT 619J

AAA +13492456[CAF-DDF-XF]

O C C JUANADA 709V

AAA 11012561

O C C DIXIE ERICA 841M

AAA 14272405

O C C EUREKA 865E

AAA #+*12514352[M1F]

O C C DIXIE ERICA 916G

AAA 13071871

O C C DIXIE ERICA 753D

AAA 12226864

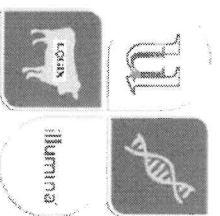


FILE NO. X74085

2

Mark A. McCully
Mark A. McCully
Chief Executive Officer

1374347



Unistel Medical Laboratories Genetic Report

BOVINESNP50-24 v3 BeadChip

Animal Tested:

OW Evans
Winston Farm
Angus

DUFF PURE BEEF 217
20378U001

Sample type:

Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	E+/E+	Meat	Calpain 1 - 316	C/C - Faster breakdown
	MC1R - ED	Insufficient data	Tenderness	Calpain 1 - 4751	C/C - Faster breakdown
	Dun Dexter Dilution (TYPR1)	+/+		Calpain 1 - 530	G/G - Normal breakdown
	Silver Dilution type 1	+/+		Calpastatin - 282	C/C - Does not inhibit Calpain
	Silver Dilution type 2	+/+		Calpastatin - 2870	G/G - Does not inhibit Calpain
	Myostatin C313Y	Clear		Calpastatin - 2959	A/A - Does not inhibit Calpain
Myostatin Status	Myostatin E226X	Clear	Milk status	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/A
	Myostatin D182N	Clear		Kappa Casein - 506	B/B
	Myostatin F94L	Clear		Kappa Casein - 526	A/E
	Myostatin S105C	Clear	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
	E7 mutation	Clear		Growth Hormone 2141	Decreased milk protein & fat yield
	E18 mutation	Clear		Growth Hormone 2291	Normal milk fat yield, fat & protein %
POMPE Status	SLICK	No added resistance		ABCG2 - protein yield milk	Normal fat, protein & milk yield; normal fat & protein %
	Pinkeye resistance	Reduced risk 8-13%		AcylCoA - milk fat percentage	Slightly increased milk yield. Slightly decreased fat & protein %.
	Osteopetrosis	Clear		Trimethylaminuria excess in milk	Clear
Bone Disorder	Alpha Mannosidosis 961	Clear	Hornedness	Yellow milk fat	Normal yellow fat
	Neuropathic hydrocephalus	Clear		Polled (Celtic and Friesian)	Homozygous Polled
	Developmental Duplication	Clear			
	Mulefoot (P1647L)	Clear			
Breed mutations					

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

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

Test Method :	Fragment Analysis (STR)
Batch No :	20131U
Sample # :	20131U001
Ownername :	OW Evans

Tag No :	DUFF PURE BEEF 217
Animal Name :	DUFF PURE BEEF 217
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	1-01-01
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	262	262
BM1824	178	182
BM2113	139	139
CSRM60	100	100
CSSM66	183	189
ETH10	217	217
ETH225	146	148
ETH3	121	121
ILSTS006	292	292
INRA23	202	206
SPS115	248	248
TGLA122	143	151
TGLA126	115	115
TGLA227	91	97
TGLA53	158	160

Created date: 14-Oct-2024 06:10

Received date: 11-Oct-2024 13:13

Report date: 04-Dec-2024 07:39

DNA profile analysed to ISAG specification(2021/2022)

Page 1

Unistel 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, Unistel 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

CHARNÉ ROSSOUW
DIVISION MANAGER