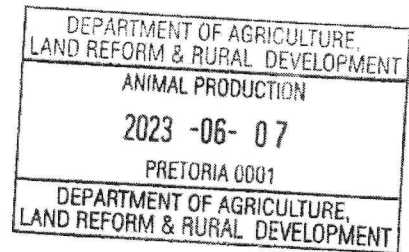


agriculture, land reform & rural development

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



VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2023/06/07
EXPIRY DATE: 2023/12/06

IMPORTATION OF SEMEN: AUTHORISATION NO. S0191/23-1

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

Expiry date: 2023/12/06 for Authorization No. S0191/23-1

Authorization is hereby granted to: ABS SOUTH AFRICA.

of: UNIT B5, PRESTIGE PARK, CNR. PASTORALE & STILLWATER STREET, DURBANVILLE
INDUSTRIAL PARK, CAPE TOWN, 7550.

for the importation BOVINE semen of the ANGUS breed

from (country of origin): USA.

Semen will be cleared by:
ABS SOUTH AFRICA.

Name of Animals	Reg. No.	Number of doses
STELLAR-SITZ STELLAR	AAA 18397542	1
RAVEN POWERBALL 53	AAA 17632447	1
SQUARE B TRUE NORTH 8052	AAA 19405246	1
WOODHILL COMSTOCK	AAA 19674083	1
NUERA T14 8577-0072	ABS102143321	200

ABS GLOBAL INC, 1525 RIVER ROAD DEFOREST, WI 53532, USA.

TOTAL: 204

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 This authorization may withdrawn by the Registrar should any false information be discovered in the application.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: 2023/06/07

AMERICAN ANGUS ASSOCIATION

3201 Frederick Avenue
Saint Joseph, Missouri 64506-2997
www.angus.org
Ph 816-383-5100 Fax 816-233-9703

NAME OF ANIMAL	SEX	REGISTRY NO.	DATE CALVED	TATTOO	LEFT EAR	RIGHT EAR
SITZ STELLAR 726D	Bull	AAA 18397542 [AMF-CAF-D2F-DDF-M1F-NHF-OSF]	1/23/2016		726D	726D
BREEDER Sitz Angus Farm Harrison MT						

	HERO 6267 OF R R 2418	AAA #11808572[OSF]
	H A IMAGE MAKER 0415	AAA #+13739532[AMF-CAF-XF]
	H A RITO BLACKCAP 9038	AAA 11300669
	BENFIELD SUBSTANCE 8506	AAA #*16207085[AMF-CAF-XF]
	JAUER JAVA 8136	AAA 13232441
	BENFIELD EDELLA 1105	AAA 14177734[OSF]
	BENFIELD EDELLA 7813	AAA 13095739
SIRE	MOHNEN SUBSTANTIAL 272	AAA *17292558[AMF-CAF-XF]
	SITZ TRADITION RLS 8702	AAA #14093248
	LT TERRITORY 5824 OF EA	AAA #15175462
	EA LUCY 141	AAA +13939223
	MOHNEN GLYN MAWR ELBA 1758	AAA 16396059[DDF]
	BALDRIDGE MULLEN M528	AAA #+14308295[AMF-CAF-XF]
	MOHNEN GLYN MAWR ELBA 1345	AAA 14967969[CAF]
	MOHNEN GLYN MAWR ELBA 721	AAA 13905143
	G A R RETAIL PRODUCT	AAA #13395329[AMF-CAF-XF]
	CONNEALY PRODUCT 568	AAA *15148584
	PRIDE FINE OF CONANGA 566	AAA 14216552
	CONNEALY FINAL PRODUCT	AAA #*15848422[AMF-CAF-XF]
	CONNEALY DEEP CANYON 454	AAA #13676131[CAF-DDF-XF]
	EBONISTA OF CONANGA 471	AAA #14220178[DDF]
	EBONISA OF CONANGA 5469	AAA 13676391
DAM	SITZ PRIDE 200B	AAA *17776820[OSF]
	CONNEALY ONWARD	AAA #*14216491[AMF-CAF-XF]
	SITZ UPWARD 307R	AAA #14963730[AMF-CAF-XF]
	SITZ HENRIETTA PRIDE 81M	AAA 14087650
	SITZ PRIDE 308Y	AAA #+*17050218
	SITZ ALLIANCE 9800	AAA #+13531260[CAF-DDF-XF]
	SITZ PRIDE 44P	AAA #14658668[AMF-CAF-NHF]
	SITZ PRIDE 796	AAA 12540876

AMERICAN ANGUS ASSOCIATION

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

PHONE: 816-383-5100

PERFORMANCE PEDIGREE

Parentage: SNP

Genomic: 150K

Parents Qualified

NAME OF ANIMAL

SITZ STELLAR 726D

BREEDER

Sitz Angus Farm Harrison MT

OWNERS

Sitz Angus Farm Harrison MT

ABS Global Inc De Forest WI

SEX

Bull

L. EAR

726D

R. EAR

726D

BIRTH DATE

1/23/2016

MEMBER CODE

A-517050

A-517050

A-1058214

REGISTRY NO.

AAA *18397542

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

TAG NO.

726D

As of 9/12/2018

	Production EPD										Maternal EPD					Carcass EPD						
	CED	BW	WW	YW	RADG	DMI	YH	SC	Doc		HP	CEM	Milk	MW	MH	\$EN	CW	Marb	RE	Fat	C	U
I	+13	-.7	+63	+117	+16	+91	+0	+59	+19		+14.7	+9	+30	+29	+1	-18.45	+41	+50	+55	+056		
n	.38	.55	.47	.43	.28	.28	.40	.49	.36		.26	.31	.32	.32	.37		.43	.38	.38	.34		
d																						
S	+16	-2.1	+59	+101	+19	+25	+0	+1.09	+19		+13.8	+8	+23	+16	+1	-4.51	+24	+22	+47	+043	14	126
i	.81	.92	.90	.85	.54	.54	.80	.84	.79		.56	.59	.58	.45	.50		.69	.66	.62	.65	39	363
r																						
e																						
D	+3	+2.8	+72	+134	+23	+76	+2	+71	+17		+15.4	+10	+28	+38	+1	-21.11	+58	+22	+84	+036		
a	.37	.56	.49	.45	.29	.29	.41	.45	.37		.31	.36	.39	.36	.40		.44	.39	.39	.35		
m																						

H A IMAGE MAKER 0415

AAA #+13739532

BENFIELD SUBSTANCE 8506

AAA #*16207085

SIRE

BENFIELD EDELLA 1105

AAA 14177734

MOHNEN SUBSTANTIAL 272

AAA *17292558

LT TERRITORY 5824 OF EA

AAA #15175462

MOHNEN GLYN MAWR ELBA 1758

AAA 16396059

MOHNEN GLYN MAWR ELBA 1345

AAA 14967969

CONNEALY PRODUCT 568

AAA *15148584

CONNEALY FINAL PRODUCT

AAA #*15848422

DAM

EBONISTA OF CONANGA 471

AAA #14220178

SITZ PRIDE 200B

AAA *17776820

SITZ UPWARD 307R

AAA #14963730

SITZ PRIDE 308Y

AAA #*17050218

SITZ PRIDE 44P

AAA #14658668

	\$Values		
	\$F	\$QG	\$W
	\$G	\$YG	\$B
I	+74.34	+30.88	+70.25
n	+31.06	+18	+120.77
d			
S	+60.31	+17.64	+64.05
i	+20.76	+3.12	+82.91
r			
e	+104.06	+17.64	+68.99
D	+20.18	+2.54	+145.98
a			
m			

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	IND. OR	HERDS	CONT.	HERDS	CONT.	HERDS	CONT.	HERDS	RATIO	HERDS	RATIO	HERDS	PROG.	HERDS	PROG.	HERDS	CONT.	HERDS	CONT.	HERDS	CONT.	HERDS	CONT.		
	PROG.	AVG.	PROG.	RATIO	PROG.	RATIO	PROG.	RATIO	PROG.		PROG.	RATIO	DAIS.	AVG.	DAIS.	RATIO	PROG.	RATIO	PROG.	RATIO	PROG.	RATIO	PROG.	RATIO		
I				57		57		56																		
n		1		99		115		103																		
d																										
S	1		1		1		84																			
i	15	1.0	24	99	23	105																				
r																										
e	77		91		88	62	57	44	23		31		38	101	37	128	37		37		37		37			
D	529	1.0	1074	98	1046	100	620	100	157	100	243	100	101	1.0	103	101	370	94	370	100	370	100	370	102		
a	1		1		1	67	1	65																		
m	1	1.0	2	95	2	107	2	101																		
	802		1291		1283	77	838	48	247		342		935	3362	1052	8722	595		596		596		596			
H	3662	1.1	13964	100	14131	101	8261	101	1683	100	2706	100	3362	1.0	4153	101	5747	99	5750	101	5751	108	5747	107		
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 Assistance 3. Mechanical Assistance 4. Caesarean Section 5. Abnormal Presentation

REQUESTED BY:

ABS Global Inc De Forest WI

MEMBER

CODE A-1058214

FILE NO.

W32609

1

DATE

PRINTED

9/12/2018

Chief Executive Officer

1058214





Batch Detail Report

Created : 2023-07-25

Batch : 14347U
Owner :ABS South Africa
Farm :
Account : ABSSA1
Origin : PRIVATE
Invoice To : Owner

SAMPLE	ANIMAL	SPECIES	BREED	DATE	SEX	TEST	Tissue Type	RESULT	INVOICE
14347U001	29AN2123 (Millah Murray Paratrooper) (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	46107
14347U002	29AN2144 (Square B true North 8052) (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	46107
14347U003	29AN2103 (Raven Powerball) (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	46107
14347U004	29AN2221 (Woodhill Comstock) (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	46107
14347U005	29AN2025 (Sitz Stellar 726D) (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	46107

Report Date : 24-Aug-2023 13:37

Page : 1

Unistiel 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.
Disclaimer: While every reasonable effort is made to prevent faulty results, Unistiel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. 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, Unistiel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistiel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

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

Test Method :	Fragment Analysis (STR)
Batch No :	14347U
Sample # :	14347U005
Ownername :	ABS South Africa

Tag No :	29ANZ025
Animal Name :	Sitz Stellar 726D
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	2016-01-23
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	262	266
BM1824	178	182
BM2113	125	135
CSRM60	100	104
CSSM66	183	189
ETH10	217	219
ETH225	148	150
ETH3	121	121
ILSTS006	288	294
INRA23	202	206
SPS115	248	252
TGLA122	151	151
TGLA126	115	115
TGLA227	87	89
TGLA53	160	176

Created date: 25-Jul-2023 10:15

Received date: 24-Jul-2023 08:11

Report date: 08-Aug-2023 13:30

DNA profile analysed to ISAG specification(2021/2022)

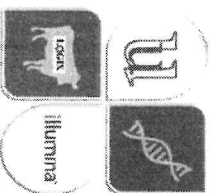
Page 1

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. 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



Unistel Medical Laboratories

Genetic Report

BOVINESNP50-24 v3 BeadChip

ABS South Africa

Angus

Animal Tested:

29AN2025

14347U005

Sample type:

Semen

Description		Mutations	Status	Description		Mutations Tested	Status
Coat colouration	MC1R - e	MC1R - ED	E+/E+	Meat	Calpain 1 - 316	C/C	
	Dun Dexter Dilution (TYPR1)		+/-	Tenderness	Calpain 1 - 4751	C/C	
	Silver Dilution type 1		+/+		Calpain 1 - 530	G/G	
	Silver Dilution type 2		+/+		Calpastain - 282	G/C	
	Myostatin C313Y		Clear		Calpastain - 2870	A/G	
	Myostatin E226X		Clear		Calpastain - 2959	A/G	
Myostatin Status	Myostatin E291X		Clear	Milk status	Beta Casein - 245	A2/A2	
	Myostatin nt419		Clear		Beta Casein - 411	B/B	
	Myostatin nt821		Clear		Kappa Casein - 352	A/A	
	Myostatin Q204X		Clear		Kappa Casein - 467	A/A	
	Myostatin D182N		Clear		Kappa Casein - 470	A/B	
	Myostatin F94L		Clear		Kappa Casein - 506	A/B	
	Myostatin S105C		Clear		Kappa Casein - 526	A/A	
	E7 mutation		Clear				
	E13 mutation		Clear		Growth Hormone F279Y		Increased milk, casein & lactose yield, decreased protein & fat yield
	E18 mutation		Clear		Growth Hormone 2141		Decreased milk protein & fat yield
Hornedness	Polled Celtic		Homozygous Polled	Milk quality	Growth Hormone 2291		Normal milk fat yield, fat & protein %
	SLICK		No added resistance		ABCG2 - protein yield milk		Normal fat, protein & milk yield; normal fat & protein %
Eye Disorders	Pinkeye resistance		Reduced risk 16-26%		ACylCoA - milk fat percentage		Slightly increased milk yield. Slightly decreased fat & protein %.
Bone Disorder	Osteopetrosis		Clear		Trimethylaminuria excess in milk		Clear
Breed mutations	Alpha Mannosidosis 961		Clear		Yellow milk fat		Normal yellow fat
	Neuropathic hydrocephalus		Clear				
	Developmental Duplication		Clear				
	Mulefoot (P1647L)		Clear				

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individual(s) indicated by the owner/breeder/maquer. This certificate replaces all previous issued certificates. At no time is any effort 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 you wish to challenge the results, the claim shall not exceed the value of the contract.