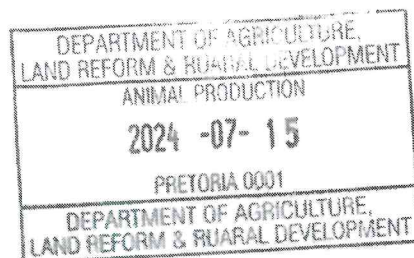




agriculture, land reform
& rural development

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



VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2024/07/15
EXPIRY DATE: 2025/01/14

IMPORTATION OF SEMEN: AUTHORISATION NO. S0284/24-1

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

Expiry date: 2025/01/14 for Authorization No. S0284/24-1

Authorization is hereby granted to: ALETA ENGELKE/ AC VERSPREIDERS T/A GENEX SOUTH AFRICA.
of: NEW CROSS RD 5, CALEDON, 7230.

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

Semen will be cleared by:

ALETA ENGELKE/ AC VERSPREIDERS T/A GENEX SOUTH AFRICA

Name of Animals	Reg. No.	Number of doses
CRUMP NEW DECADE 9341	4099482	100
9 MILE ENTERPRISE 8180	3968850	800
QH COMPLETE PACKAGE F900	3872899	500
EZAR FIREMAN 8052	19119717	1000

GENEX CO OPERATIVE 625 E ELIZABETH STREET, SHAWANO WISCONSIN USA 54166-315.

TOTAL: 2400

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 This authorization may be withdrawn by the Registrar should any false information be discovered in the application.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 any 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: 2024/07/15

Genex 2/7/2024
 Permit ✓
 DNA ✓
 Genov ✓
 Red ✓

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
EZAR FIREMAN 8052	Bull	AAA 19119717	2/10/2018		8052	8052
[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]						
BREEDER EZ Angus Ranch Porterville CA						

	S A F FOCUS OF E R	AAA #12618076[AMF-CAF-XF]
MYTTY IN FOCUS		AAA #*13880818[AMF-CAF-XF]
	MYTTY COUNTESS 906	AAA 13457755
CONNEALY IN SURE 8524		AAA #*16205036[AMF-CAF-XF]
	CONNEALY ONWARD	AAA #*14216491[AMF-CAF-XF]
ENTREENA OF CONANGA 657		AAA 15216323[DDF]
	ENTITY OF CONANGA 5657	AAA 14220276
SIRE	G A R SURE FIRE	AAA +*17328461[AMF-CAF-XF]
	B/R NEW DESIGN 036	AAA #11418151[DDC-AMF-XF]
	G A R NEW DESIGN 5050	AAA #+13728513[DDC-AMF-XF]
	G A R PRECISION 706	AAA 12716497[NHC-AMF]
CHAIR ROCK 5050 G A R 8086		AAA +16431932[DDC]
	G A R GRID MAKER	AAA #+*13254554[AMF-CAF-XF]
CHAIR ROCK GRID MAKER 2107		AAA 14396175[AMF]
	G A R SLEEP EASY 2207	AAA +12920663[AMF]
	G A R NEW DESIGN 5050	AAA #+13728513[DDC-AMF-XF]
G A R INGENUITY		AAA #+16497066[DDC]
	G A R OBJECTIVE 1067	AAA 15823093[AMF-DDF]
V A R INDEX 3282		AAA +*17513381[AMF-CAF-XF]
	CONNEALY ONWARD	AAA #*14216491[AMF-CAF-XF]
SANDPOINT BLACKBIRD 8809		AAA +*16143141[AMF]
	RIVERBEND BLACKBIRD 4301	AAA +14680067[NHF]
DAM	VINTAGE BLACKBIRD 6235	AAA +*18417017
	MYTTY IN FOCUS	AAA #*13880818[AMF-CAF-XF]
A A R TEN X 7008 S A		AAA #*15719841[AMF-CAF-XF]
	A A R LADY KELTON 5551	AAA #15151449
FWY 7008 OF T1088 3014		AAA +*17585470[DDF]
	E&B 1680 PRECISION 1023	AAA #+13913492[NHC-AMF-XF]
RIVERBEND BLACKBIRD T1088		AAA +*15856095[DDC-AMF-NHF]
	RIVERBEND BLACKBIRD 4196	AAA +14679990[AMC-DDC-NHF]

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
EZAR FIREMAN 8052
BREEDER

EZ Angus Ranch Porterville CA
OWNER
Genex Cooperative Shawano WI

SEX
Bull

L. EAR
8052

R. EAR BIRTH DATE
8052 2/10/2018
MEMBER CODE
A-1269080

REGISTRY NO.
AAA *19119717
[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]

TAG NO.
8052

A-1004029

As of 3/17/2020

	Production EPD											Maternal EPD					Carcass EPD						
	CED	BW	WW	YW	RADG	DMI	YH	SC	Doc	Claw	Angle	HP	CEM	Milk	MW	MH	\$EN	CW	Marb	RE	Fat	C Grp/Pg	U Grp/Pg
I	+16	+7	+65	+126	+29	+1.25	+7	+1.59	+29	+55	+47	+10.3	+15	+29	+47	+5	-14	+51	+1.44	+89	+0.14		
n	.38	.54	.47	.42	.34	.34	.46	.41	.36	.27	.27	.26	.32	.33	.39	.41		.43	.39	.39	.37		
d																							
S	+14	-3	+56	+107	+27	+8.1	+4	+2.39	+29	+54	+42	+11.8	+9	+32	+26	+1	-6	+47	+1.34	+68	+0.39	58	1299
i	.91	.96	.95	.93	.77	.77	.95	.94	.92	.78	.77	.77	.83	.77	.72	.74		.84	.83	.79	.82	193	3866
e																							
D	+13	+1.5	+65	+119	+30	+9.3	+7	+3.8	+27	+55	+46	+8.8	+14	+25	+70	+7	-23	+53	+6.3	+1.00	-.029		1
a	.35	.57	.47	.40	.32	.32	.46	.42	.36	.26	.26	.24	.36	.35	.38	.40		.43	.38	.38	.35		1
m																							

MYTTY IN FOCUS

AAA #*13880818 [RDF]

CONNEALY IN SURE 8524

AAA #*16205036

SIRE

ENTREENA OF CONANGA 657

AAA 15216323

G A R SURE FIRE

AAA #*17328461 [RDF]

G A R NEW DESIGN 5050

AAA #*13728513

CHAIR ROCK 5050 G A R 8086

AAA +16431932

CHAIR ROCK GRID MAKER 2107

AAA 14396175

G A R INGENUITY

AAA #*16497066

V A R INDEX 3282

AAA #*17513381

DAM

SANDPOINT BLACKBIRD 8809

AAA #*16143141

VINTAGE BLACKBIRD 6235

AAA #*18417017

A A R TEN X 7008 S A

AAA #*15719841

FWY 7008 OF T1088 3014

AAA #*17585470

RIVERBEND BLACKBIRD T1088

AAA #*15856095

	SValues		
	\$M \$W	\$F \$G	\$B
I	+69	+99	+195
n	+73	+96	
d			
S	+74	+98	+183
i	+78	+85	
e			
D	+53	+107	+169
a	+66	+62	
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 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
IND				58		58		56										56		56		56		56
		1		95		88		98										134		115		135		109
PREG																								
SIZE	389		571		448	46	293	32	133		135		214	873	139	613	226		226		226		226	
	2837	1.0	5524	100	4949	99	3327	100	1646	100	1342	103	873	1.0	527	101	4139	102	4141	99	4141	103	4139	106
DAM	1		2		1	58	1	56									1		1		1		1	
	1	1.0	2	101	1	88	1	98									1	134	1	115	1	135	1	109
MGS	121		259		223	75	148	50	67		59		158	441	137	505	114		114		114		114	
	440	1.0	1648	100	1533	100	934	100	393	100	392	98	441	1.0	411	99	1165	104	1165	101	1165	99	1164	103
	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:

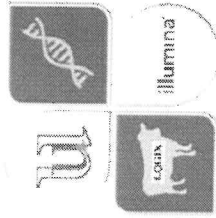
Genex Cooperative Shawano WI

MEMBER CODE A-1004029 FILE NO. W98569 5

DATE PRINTED 3/17/2020

Mark A. McCully
Mark A. McCully
Chief Executive Officer

1004029



Unistel Medical Laboratories Genetic Report

BOVINESNP50-24 v3 BeadChip

CRI South Africa
Genex
Angus

Animal Tested:
EZAR FIREMAN 8052
19843U001

Description		Mutations	Status	Description	Mutations Tested	Status	Semen
Coat colouration	MC1R - e	MC1R - ED	E+/E+	Meat	Calpain 1 - 316	G/G - Normal breakdown	Sample type:
	MC1R - ED	Dun Dexter Dilution (TYPR1)	Ed/E+	Tenderness	Calpain 1 - 4751	T/T - Normal breakdown	
	Silver Dilution type 1	Silver Dilution type 2	+/+		Calpain 1 - 530	A/G - Intermediate breakdown	
	Myostatin C313Y	Myostatin E226X	+/+		Calpastatin - 282	G/C - Intermediate inhibition of Calpain	
	Myostatin E291X	Myostatin nt419	Clear		Calpastatin - 2870	A/G - Intermediate inhibition of Calpain	
	Myostatin nt821	Myostatin Q204X	Clear		Calpastatin - 2959	A/G - Intermediate inhibition of Calpain	
Myostatin Status	Myostatin E291X	Myostatin nt419	Clear	Milk status	Beta Casein - 245	A2/A2	
	Myostatin nt821	Myostatin Q204X	Clear		Beta Casein - 411	B/B	
	Myostatin D182N	Myostatin F94L	Clear		Kappa Casein - 352	A/A	
	Myostatin S105C	E7 mutation	Clear		Kappa Casein - 467	A/A	
	E13 mutation	E18 mutation	Clear		Kappa Casein - 470	A/B	
			Clear		Kappa Casein - 506	A/B	
			Clear		Kappa Casein - 526	A/A	
			Clear				
POMPE Status			Clear	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield	
			Clear		Growth Hormone 2141	Decreased milk protein & fat yield	
			Clear		Growth Hormone 2291	Normal milk fat yield, fat & protein %	
Heat Tolerance	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	Normal fat, protein & milk yield. Normal fat & protein %.	
Bone Disorder	Osteopetrosis		Clear		Trimethylaminuria excess in milk	Clear	
Breed mutations	Alpha Mannosidosis 961		Clear	Hornedness	Yellow milk fat	Normal yellow fat	Homozygous Polled
	Neuropathic hydrocephalus		Clear				
	Developmental Duplication		Clear				
	Mulefoot (P1647L)		Clear				

Declaration: Unistel reports these results on the promise that the biological samples received are from the individuals nominated by the owner/breeder/facility. 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.

Test Method :	Fragment Analysis (STR)
Batch No :	19843U
Sample # :	19843U001
Ownername :	CRI South Africa

Tag No :	001AN01485
Animal Name :	EZAR FIREMAN 8052
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	2018-10-02
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	266	268
BM1824	178	182
BM2113	135	135
CSRM60	100	104
CSSM66	187	197
ETH10	215	221
ETH225	144	148
ETH3	117	121
ILSTS006	288	294
INRA23	206	208
SPS115	248	248
TGLA122	151	151
TGLA126	115	117
TGLA227	81	81
TGLA53	168	170

Created date: 18-Sep-2024 09:07

Received date: 16-Sep-2024 22:00

Report date: 03-Oct-2024 12:56

DNA profile analysed to ISAG specification(2021/2022)

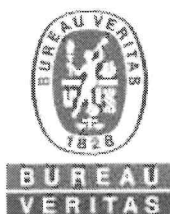
Page 1

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:

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CHARNÉ ROSSOUW
DIVISION MANAGER



BOVINE DNA GENETIC MARKER REPORT							
ISSUED TO				OWNER INFORMATION			
GENEX BEEF 100 MBC DRIVE SHAWANO WI 55166							
REPORT ID		1		TEST METHOD		PROFILE ONLY	
RECEIVED DATE		2024/07/23		TEST DATE		2024/07/29	
				REPORT DATE		2024/07/30	
SUBJECT ANIMAL DETAILS							
CASE NUMBER		BU2024001553		BARCODE			
SAMPLE TYPE		SEMEN		CONDITION		ACCEPTABLE	
NAME		EZAR FIREMAN 8052					
TATTOO		8052		REG NUMBER		19119717	
BREED		ANGUS		SEX		MALE	
				BIRTH YEAR		2018	
SIRE INFORMATION				DAM INFORMATION			
NAME		G A R SURE FIRE		NAME		VINTAGE BLACKBIRD 6235	
TATTOO		K62		TATTOO		6235	
REG NUMBER		17328461		REG NUMBER		18417017	
RESULTS							
BM 1818	BM 1824	BM 2113	CYP 21	ETH 10	ETH 225	ETH 3	INRA 23
266/268	178/182	135	198/208	215/221	144/148	117/121	206/208
RM 067	SPS 115	TGLA 126	TGLA 122	TGLA 227	TGLA 53	MGTG 4B	SPS 113
102	248	115/117	151	81	168/170	135	141/155
COMMENTS:							


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. Test performed by Bureau Veritas DNA Services Division Unit 2-335 Laird Rd, Guelph, Ontario N1G 4P7. This DNA profile is standardized to the specifications of the International Society of Animal Genetics (ISAG). ISAG Institutional Membership code 84509. Accredited to International Standards Organization (ISO) 17025 by Standards Council of Canada.