



Batch Detail Report

Batch : A22129
Owner :AJH and FP Lamprecht
Farm :Mijnhartsrus
Account :
Origin : BORAN BREEDERS SOCIETY
Invoice To : Owner

Created : 2015-06-08

SAMPLE	ANIMAL	SPECIES	BREED	DNA	SAFE	TEST	Tissue Type	RESULT	INVOICE
A275576	BAR12-0128 (M,24)	CATTLE	BORAN (24)			PAR_C	Hair	PU : DNA Profile (Unistel)	01

Report Date : 27-Feb-2025 23:40

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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/ 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. 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, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER



Batch Detail Report

Batch : A1575
Owner : C Ramaphosa
Farm : Zinkomo
Account :
Origin : EMBRIO PLUS
Invoice To : Owner

Created : 2012-12-14

SAMPLE	ANIMAL	SPECIES	BREED	DAM	SIRE	TEST	Tissue Type	RESULT	INVOICE
A18404	NNR05-0011 (NNR0511) (M,24)	CATTLE	BORAN (24)			PAR_C	Hair	PU : DNA Profile (Unistel)	2708

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CHARNÉ ROSSOUW
DIVISION MANAGER



Batch Detail Report

Batch : A3410
Owner :Mnr SWC Van Oudtshoorn
Farm :Kolwani
Account :
Origin : PRIVATE
Invoice To : Owner

Created : 2012-12-14

SAMPLE	ANIMAL	SPECIES	BREED	DAM	SIRE	TEST	Testing Type	RESULT	INVOICE
A40271	CFH08-0277 (CFH08277) (M,24)	CATTLE	BORAN (24)	HVT95-0013 (F,24)(Valid)	HVT97-0017 (M,24)(Valid)	PAR_C	Hair	DVSV : Dam Valid, Sire Valid	4608

Report Date : 27-Feb-2025 23:38

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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, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

Batch Detail Report

Batch : A7480
 Owner : Die/CJ Van der Meulens
 Farm : Mon Bijou Smaldeel Stud
 Account :
 Origin : BORAN BREEDERS SOCIETY
 Invoice To : Owner

Created : 2012-12-14

SAMPLE	ANIMAL	SPECIES	BREED	DAM	SIRE	TEST	Issue Type	RESULT	INVOICE
A84304	MB10-0337 (MB100337) (F,24)	CATTLE	BORAN (24)	CFH05-0132 (F,24)(Valid)	TLM05-0512 (M,24)(Valid)	PAR_C	Hair	DVSV : Dam Valid, Sire Valid	7834

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CHARNÉ ROSSOUW
 DIVISION MANAGER



DNA Genotype Certificate

ARC-API Animal Genetics

Private Bag X2

IRENE

0062: South Africa

Phone: +27 12 672 9231 Fax: +27 12 672 9214

<http://www.arc.agric.za>



Excellence in Research and Development

Animal name

Animal ID

KETA 5X

Birth Date

Registration #

Gender

Breed

The DNA profile represents the 11 markers recommended by the International Society for Animal Genetics (ISAG).

BMI824	BMI113	ETH10	ETH225	ETH3	INRA23
/	135/141	209/217	148/158	117/	196/198
TGLA53	TGLAI22	TGLAI26	TGLA227	SPS115	BMI818
162/164	143/151	115/117	77/87	/	/
DNA-number					
P127/06					

These results were generated using proven technology for identity genotyping in cattle. While extensive measures were taken to ensure the integrity of these genotypes, the ARC assumes no liability for errors arising as a result of their verify, interpretation and/or use.

pp Laboratory Manager
ARC Animal Production

Date issued:

Friday, 28 February 2025



DNA Genotype Certificate

ARC-API Animal Genetics

Private Bag X2

IRENE

0062; South Africa

Phone: +27 12 672 9231 Fax: +27 12 672 9214

<http://www.arc.agric.za>



Excellence in Research and Development

Animal name	Animal ID	Birth Date	Registration #	Gender	Breed
	GF40R	01/07/1998	3705	Female	Boran

The DNA profile represents the 11 markers recommended by the International Society for Animal Genetics (ISAG).

BM1824	BM2113	ETH10	ETH225	ETH3	INRA23
178/192	135/141	209/213	154/158	117/	198/
TGLA53	TGLA122	TGLA126	TGLA227	SPS115	BM1818
162/186	151/159	117/127	77/	248/256	/
DNA-number					
P3611/04					

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pp Laboratory Manager
ARC Animal Production

Date issued:

Friday, 28 February 2025



DNA Genotype Certificate

ARC-API Animal Genetics

Private Bag X2

IRENE

0062: South Africa

Phone: +27 12 672 9231 Fax: +27 12 672 9214

<http://www.arc.agric.za>



Excellence in Research and Development

Animal name	Animal ID	Birth Date	Registration #	Gender	Breed
PM 14 R / 9BN3349 / 9BN3349	PM 14 R	08/09/1998	61176103	Male	Boran

The DNA profile represents the 11 markers recommended by the International Society for Animal Genetics (ISAG).

BM1824	BM2113	ETH10	ETH225	ETH3	INRA23
178/180	133/139	209/	150/158	117/	196/
TGLA53	TGLA122	TGLA126	TGLA227	SPS115	BM1818
/	137/149	115/127	77/	248/256	/
DNA-number					
P900/07					

These results were generated using proven technology for identity genotyping in cattle. While extensive measures were taken to ensure the integrity of these genotypes, the ARC assumes no liability for errors arising as a result of their verify, interpretation and/or use.

pp Laboratory Manager
ARC Animal Production

Date issued:

Friday, 28 February 2025



DNA Genotype Certificate

ARC-API Animal Genetics
Private Bag X2
IRENE
0062: South Africa



ARC • LNR
Excellence in Research and Development

Phone: +27 12 672 9231 Fax: +27 12 672 9214
<http://www.arc.agric.za>

Animal name	Animal ID	Birth Date	Registration #	Gender	Breed
	PM14R	08/09/1998	3439-2	Male	Boran

The DNA profile represents the 11 markers recommended by the International Society for Animal Genetics (ISAG).

BM1824	BM2113	ETH10	ETH225	ETH3	INRA23
178/180/	133/139	209/	150/158	117/	196/
TGLA53	TGLA122	TGLA126	TGLA227	SPS115	BM1818
164/	137/149	115/127	77/83	248/256	/
DNA-number					
P3589/04					

These results were generated using proven technology for identity genotyping in cattle. While extensive measures were taken to ensure the integrity of these genotypes, the ARC assumes no liability for errors arising as a result of their verify, interpretation and/or use.

pp Laboratory Manager
ARC Animal Production

Date issued:
Friday, 28 February 2025



Zoo@omics™

Tel: 071 493 21 37
Email: info@zoo@omics.co.za
Physical Address: 525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Test Animal		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS240455	Boran	ZOCA2025-84616-DC

Male

Animal ID/Name	Breed	DNA Profile Certificate Number
BOS170045	Boran	ZOCA2023-61389-DC

&

Female

Animal ID/Name	Breed	DNA Profile Certificate Number
WS210064	Boran	ZOCA2023-42183-DC

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

Date
28 February 2025

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WS170027
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84597-DC

qualifies as the offspring of

Male

Animal ID/Name	CFH1 10504
Breed	BORAN
DNA Profile Certificate Number	117041-DC

&

Female

Animal ID/Name	WS130066
Breed	Boran
DNA Profile Certificate Number	ZOCA2022-26009

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and ≤1 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

28 February 2025
Date

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DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Animal ID/Name	WS240374
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84607-DC

Male

Animal ID/Name	BOS170045
Breed	Boran
DNA Profile Certificate Number	ZOCA2023-61389-DC

&

Female

Animal ID/Name	WS200049
Breed	Boran
DNA Profile Certificate Number	ZOCA2023-44134-DC

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

Date
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DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Test Animal		
Animal ID/Name	Bred	DNA Profile Certificate Number
WS220213	Boran	ZOCA2025-84603-DC

Male		
Animal ID/Name	Bred	DNA Profile Certificate Number
AH160037	BORAN	C19-06627-DC

&

Female		
Animal ID/Name	Bred	DNA Profile Certificate Number
Not Applicable	Not Applicable	Not Applicable

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

28 February 2025
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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WS230308
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84605-DC

qualifies as the offspring of

Male

Animal ID/Name	WS190020
Breed	Boran
DNA Profile Certificate Number	ZOCA2021-20779-DC

&

Female

Animal ID/Name	WS210013
Breed	Boran
DNA Profile Certificate Number	ZOCA2023-42168-DC

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

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DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Animal ID/Name	Bred	DNA Profile Certificate Number
WS230269	Boran	ZOCA2025-84604-DC

Test Animal

Animal ID/Name	Bred	DNA Profile Certificate Number
WS180121	BORAN	ZOCA2020-10259-DC

Male

&

Animal ID/Name	Bred	DNA Profile Certificate Number
WS200081	Boran	ZOCA2023-42158-DC

Female

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

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DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Test Animal	
Animal ID/Name	WS230352
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84606-DC

Male	
Animal ID/Name	AH160037
Breed	BORAN
DNA Profile Certificate Number	C19-06627-DC

Female	
Animal ID/Name	Not Applicable
Breed	Not Applicable
DNA Profile Certificate Number	Not Applicable

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

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Genomics Manager

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DNA PARENTAGE CERTIFICATE

Animal ID/Name	WS240424
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84612-DC

Test Animal

Animal ID/Name	AH160037
Breed	BORAN
DNA Profile Certificate Number	C19-06627-DC

Male

Animal ID/Name	WS170021
Breed	Boran
DNA Profile Certificate Number	ZOCA2023-61385-DC

Female

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and ≤ 1 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

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DNA PARENTAGE CERTIFICATE

Test Animal		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS240381	Boran	ZOCA2025-84609-DC

qualifies as the offspring of

Male		
Animal ID/Name	Breed	DNA Profile Certificate Number
AH160037	BORAN	C19-06627-DC

&

Female		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS170027	Boran	ZOCA2025-84597-DC

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WS240432
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84614-DC

qualifies as the offspring of

Male

Animal ID/Name	NBOR180016
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84596-DC

&

Female

Animal ID/Name	Not Applicable
Breed	Not Applicable
DNA Profile Certificate Number	Not Applicable

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and ≤ 1 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

28 February 2025
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Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WS240430
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84613-DC

qualifies as the offspring of

Male

Animal ID/Name	AH160037
Breed	BORAN
DNA Profile Certificate Number	C19-06627-DC

&

Female

Animal ID/Name	WS180126
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84598-DC

Based on the results from genetic profiles of the individually listed animals offer categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

Date
28 February 2025

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Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

qualifies as the offspring of

Test Animal		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS240453	Boran	ZOCA2025-84615-DC

Male		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS180092	BORAN	ZOBOS20-05080-DC

Female		
Animal ID/Name	Breed	DNA Profile Certificate Number
WS200058	Boran	ZOCA2023-42148-DC

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and 51 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager
Date: 28 February 2025
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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WS240468
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-84617-DC

qualifies as the offspring of

Male

Animal ID/Name	BOS170045
Breed	Boran
DNA Profile Certificate Number	ZOCA2023-61389-DC

&

Female

Animal ID/Name	Not Applicable
Breed	Not Applicable
DNA Profile Certificate Number	Not Applicable

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and ≤1 mismatched marker.


Dr Christiaan Labuschagne
Genomics Manager

28 February 2025
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