

PARENTAGE SUMMARY

OFFSPRING TESTED		QUALIFYING MOTHER		QUALIFYING FATHER	
OFFSPRING ID	ID TAG	MOTHER ID	ID TAG	FATHER ID	ID TAG
ZOCA2026-116866	EMD260082	172U015	EMD190028	ZOCA2026-109624	FN180076
ZOCA2026-116867	EMD260083	ZOCA2024-75014 C	EMD150045	ZOCA2026-109624	FN180076
ZOCA2026-116868	EMD260086	ZOCA2022-39095	EMD220140	A407219	PYM170012
ZOCA2026-116869	EMD260090	ZOCA2022-35877	EMD220070	A407219	PYM170012
ZOCA2026-116870	EMD260093	ZOCA2023-49464	EMD230010	ZOCA2025-91461 C	EMD210079
ZOCA2026-116871	EMD260096	ZOCA2021-24830	EMD210157	ZOCA2026-109624	FN180076
ZOCA2026-116872	EMD260097	ZOCA2023-57080 C	EMD200148	9396U102	MOS220225
ZOCA2026-116873	EMD260099	ZOCA2021-20038	EMD210024	ZOCA2024-73700	BR180102
ZOCA2026-116874	EMD260101	ZOCA2022-33687	EMD180026	ZOCA2024-73700	BR180102
ZOCA2026-116875	EMD260102	ZOCA2022-28707	EMD210178	ZOCA2024-73700	BR180102
ZOCA2026-116876	EMD260104	ZOCA2025-95205 c	EMD220171	A407219	PYM170012
ZOCA2026-116877	EMD260105	A485507	EMD180079	ZOCA2024-73700	BR180102
ZOCA2026-116878	EMD260106	ZOCA2021-20052	EMD210040	ZOCA2024-73700	BR180102
ZOCA2026-116879	EMD260107			ZOCA2026-109624	FN180076
ZOCA2026-116880	EMD260108	ZOCA2021-24821	EMD210148	ZOCA2024-73700	BR180102
ZOCA2026-116881	EMD260110	A542075	EMD190059	ZOCA2026-109624	FN180076
ZOCA2026-116882	EMD260112	ZOCA2022-33742	EMD220049	A407219	PYM170012
ZOCA2026-116883	EMD260113	ZOCA2023-53327	EMD230104		
ZOCA2026-116884	EMD260115	172U038	EMD190107	ZOCA2026-109624	FN180076
ZOCA2026-116885	EMD260116	ZOCA2023-51655	EMD170072	ZOCA2026-109624	FN180076
ZOCA2026-116886	EMD260117	ZOCA2023-49791	EMD170038	ZOCA2026-109624	FN180076
ZOCA2026-116887	EMD260118	ZOCA2022-33741	EMD220048		
ZOCA2026-116888	EMD260119	ZOCA2021-24823	EMD210150	ZOCA2026-109624	FN180076
ZOCA2026-116889	EMD260120	ZOCA2021-24837	EMD210165	ZOCA2026-109624	FN180076
ZOCA2026-116890	EMD260103	ZOCA2022-33704	EMD220010	ZOCA2022-39103	EMD220148

Rieze Straeuli

Analyst

Print Date:

2026/07/23

Dr Christiaan Labuschagne

Genomics Manager

Print Date:

2026/07/23

* More than one qualifying mother and/ or father identified for offspring

** Either mother or father can qualify as parent; no parent pair identified

Most likely parent allocated from parent list provided. No statistical support.

Disclaimer

Parentage is performed using the sire and dam list provided by the client.

It is the responsibility of the client to provide ZooOmics with all potential sire and/or dam candidates. This includes all AI bulls and cover bulls. Should any extra sire and/or dam candidates be added in the future, the parentage assignments may change. ZooOmics (a division of Inqaba Biotechnical Industries Pty Ltd) does not accept responsibility for the effect of any false assignments due to absent candidate sires and/or dams.

Nothing in this document should be construed as advice to proceed or not to proceed with any specific course of action, as it was not prepared for that purpose.

This is a parentage summary, summarising the potential parentage assignments for a specific order and not an official parentage certificate. Finalised results are sent on official certificates.

This parentage summary supersedes any previously issued parentage summaries.



Tel: 071 493 21 37
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Physical Address: 525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	EMD160080
Breed	Boran
DNA Profile Certificate Number	ZOCA202239053DC

qualifies as the offspring of

Male

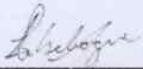
Animal ID/Name	Not Applicable
Breed	Not Applicable
DNA Profile Certificate Number	Not Applicable

&

Female

Animal ID/Name	CFH100268B
Breed	Boran
DNA Profile Certificate Number	ZOCA2022-39664-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 ≤ 1 mismatched marker.


Dr Christiaan Labuschagne
Genomics Manager

18 August 2026
Date

****See disclaimer on reverse side**



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

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	EMD210150
Microchip Number	-
DNA Profile Certificate Number	ZOCA2021-24823

qualifies as the offspring of

Male

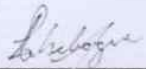
Animal ID/Name	EMD140025
Microchip Number	-
DNA Profile Certificate Number	ZOCA2021-20247

&

Female

Animal ID/Name	Not Applicable
Microchip Number	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

06 December 2021
Date

****See disclaimer on reverse side**



Batch Detail Report

Batch : 2595U
Owner : JR Du Toit
Farm : Oostenwal
Account : DUJ001
Via :
Invoice To :
Test Method : UMLSOPCATL02 Cattle Genotyping
Job No : 102152

Created: 2020-11-09

Sample	Animal	Membership	Species	Breed	Tissue Type	Dam	Sire	Test Results (pdf)	Invoice
2595U063	EMD20-0059 (M)		CATTLE	BORAN (24)	HAIR	CFH07-0215 (CFH07215) (F:24)(Valid)	DVB10-0032 (M:24)(Valid)	Dam Valid, Sire Valid	

Report Date: 30-Jul-2026 06:56

Disclaimer

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. 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. Some DNA profiles used in pedigree 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 pedigree mismatches due to incompatible marker scoring or reporting strategies between laboratories. Unistel Medical Laboratories participates in ISAG companion testing and therefore incorporates international scoring standards in the generation of our DNA profiles. This certificate replaces all previously issued certificates.

Address: Office Block 1, De Tiger Park, Hannes Louw Drive, Parow North, Cape Town, 7500, RSA
Postal Address: Postnet Suite 13, Private Bag X22, Tygervalley, 7536, RSA
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Unistel Medical Laboratories (Pty) Ltd (Reg No: 1998/021075/07)

Batch Detail Report



Batch : 261777U
Owner : JR Du Toit
Farm : Oostenwal
Account : DUJR01
Via : PRIVATE
Invoice To : Owner
Test Method : UMLSOPCATL02 Cattle Genotyping;
UMLSOPCATL02
Job No : 175072

Created: 2026-07-28

Sample	Animal	Microchip	Species	Breed	Tissue Type	Dam	Sire	Test Results PAM	Invoice PROF
261777U002	EMD21-0050 (F)		CATTLE	BORAN (24)	EXTERNAL PROFILE		EMD14-0025 (U,24)(Invalid)	Sire Excluded	
261777U003	EMD21-0203 (F)		CATTLE	BORAN (24)	EXTERNAL PROFILE	EMD19-0086 (F,24)(Invalid)	AM15-0022 (M,24)(Invalid)	Dam Excluded, Sire Excluded	
261777U004	EMD17-0038 (F)		CATTLE	BORAN (24)	EXTERNAL PROFILE	FS06-0001 (KROMSPRUIT FS 061) (F,24)(Valid)	WJ10-0064 (M,24)(Valid)	Dam Valid, Sire Valid	
261777U005	EMD15-0050 (F)		CATTLE	BORAN (24)	EXTERNAL PROFILE		FN08-0217 (M,24)(Invalid)	Sire Excluded	

Report Date: 31-Jul-2026 07:17

Disclaimer

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Unistel Medical Laboratories (Pty) Ltd (Reg No: 1998/021075/07)



Batch Detail Report

Batch : 262231U
Owner : JR Du Toit
Farm : Oostenwal
Account : DUJR01
Via : PRIVATE
Invoice To : Owner
Test Method : UMLSOPCATL02 Cattle Genotyping
Job No : 175539

Created: 2026-08-19

Sample	Animal	Species	Breed	Tissue	Own	Sire	Test Result	Invoice
262231U001	EMD16-0080 (F)	CATTLE	BORAN (24)	External Profile		NBOR10-0007 (M,24) (Valid)	PAF	

Report Date: 21-Aug-2026 08:44

Disclaimer

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. 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. Some DNA 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 or reporting strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our DNA profiles. This certificate replaces all previously issued certificates.

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