**REPORT SHEET 17/11/W38: Kareekloof Game Farm**

Sample Type: Water
Marked: As per attached results sheet
Lab ID: As per attached results sheet
Client: Kareekloof Game Farm
Cell Number: 083 654 8139
Client E-Mail Address: annalize@bushpro.co.za

Date Received: 30 November 2017
Date Reported: December 2017
Sampled By: Client
Sample Date: 30 November 2017
Quotation No: QUA014252 (1)

Address: Farm Kareekloof Game Farm
Derby

Procedure/s Used: SOP WAT 015, Aquakem
SOP WAT 009 pH
SOP WAT 003 Alkalinity
SOP ICP 001, Metals
SOP WAT 010, Total Dissolved Solids
SOP WAT 007, Conductivity

Remarks:

- Schemes marked with an asterisk* are included in the SANAS accreditation Schedule
- Uncertainty of measurements is available from the laboratory on request
- Limit of Detection (LOD) is defined as the lowest concentration that can be reliably detected on the instrument used for analysis

Determinand/ Program Used	Unit	LOD
*Calcium	mg/L Ca	0.008
*Chloride Low	mg/L Cl	0.109
*Chloride High	mg/L Cl	0.117
*Magnesium	mg/L Mg	0.045
*Nitrate	mg/L N	0.021
*Sulphate Low	mg/L SO ₄	0.014
*Sulphate High	mg/L SO ₄	0.028



Client: Kareekloof Game Farm	Quality Criteria SANS 241-1: 2015, Edition 2			W811
Water Analysis		Risk: AH – Acute Health AE - Aesthetic CH – Chronic Health OP - Operational		Borehole Water on Farm
Analysis	Units	Risk	Standard Limits	
Physical and aesthetic determinands				
pH Value	pH units	OP	≥ 5 to ≤ 9.7	7.46
Alkalinity				135
Conductivity	mS/m	AE	≤170	58.00
Total Dissolved Solids	mg/l	AE	≤1 200	680
Chemical determinands : macro-determinands				
Calcium*	mg/l Ca			84.36
Chloride*	mg/l Cl	AE	≤ 300	2.52
Fluoride	mg/l F	CH	≤ 1.5	0.37
Magnesium*	mg/l Mg			20.53
Nitrate* as N	mg/l N	AH	≤ 11	<0.021
Sulphate*	mg/l	AH	≤ 500	138
	SO4	AE	≤ 250	
Sodium as Na	mg/l Na	AE	≤ 200	24.57
Potassium	mg/l K			0.68



QUALITY LABORATORY SERVICES



A SANAS ACCREDITED TESTING LABORATORY

T0487

Analyst: *TVM*
Technical Signatory: *[Signature]*
Laboratory Manager: *[Signature]*

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REPORT/RESULTS 17/11/W9: Kareekloof Game Farm

Sample Type: Water
Marked: As per attached results sheet
Lab ID: As per attached results sheet
Client: Kareekloof Game Farm
Cell Number: 083 654 8139
Client E-Mail Address: annalize@bushpro.co.za

Date Received: 07 November 2017
Date Reported: 9 November 2017
Sampled By: Client
Sample Date: 07 November 2017
Quotation No: QUA014215 (1)

Address: Farm Kareekloof Game Farm
Derby

Procedure/s Used:

SOP WAT 022, E.Coli and Total Coliforms
SOP WAT 008, pH
SOP WAT 007, Conductivity

Remarks:

1. Schemes marked with an asterisk (*) are included in the SANAS accreditation Schedule.
2. Uncertainty of measurements is available from the laboratory on request.



Client: BBB Properties	Quality Criteria SANS 241-1: 2015, Edition 2			W692
Water Analysis		Risk: AH – Acute Health AE - Aesthetic CH – Chronic Health OP - Operational		Borehole Water on Farm
Analysis	Units	Risk	Standard Limits	
Microbiological Determinands				
E. Coli *	Count/100ml	AH	Not Detected	0
Total Coliforms *	Count/100ml	OP	≤ 10	49
Physical Determinands				
pH	pH unit	OP	≥ 5 to ≤ 9.7	7.47
Conductivity	mS/m	AE	≤ 170	10.10

TNTC = Too Numerous To Count

Remarks/ Comments:

No harmful bacteria were detected. This water is suitable for human consumption.

Quality Control:

Lot Number	Expiry Date:
Agar/ E.Coli	
2113998	2020 - 03

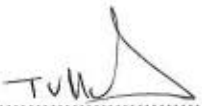



QUALITY LABORATORY SERVICES




A SANAS ACCREDITED TESTING LABORATORY

10487

Analyst: 

Technical Signatory: 

Laboratory Manager: 

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