

# Final Report

Jeffreys Bay Laboratory  
Shop 2, Surfside Centre  
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Tel: 042 293 4125



Practice No:5200539

**Report to:**  
**GAMTOOS IRRIGATION BOARD**  
ATT: LEON GRUNDLING  
PO BOX 237  
6335 PATENSIE

**Referred by:** GAMTOOS IRRIGATION BOARD

**Requisition No:** 728198958  
**Specimen No:** 0118:BS00043R  
**Collection Date:** 2022-01-18 11:00  
**Received Date:** 2022-01-18 11:29  
**Reported Date:** 2022-02-04 09:33

**Patient:**  
**U KOK-SE-PLAAS WATER**  
**Patient ID No:** N/A  
**Age:Sex:DoB:** U  
**Contact No:** N/A

**Guarantor:**  
**GAMTOOS IRRIGATION BOARD**  
**Contact No:** 0835520157

**Tests requested:** 98 WATER IRRIGATION

## Biochemistry

Test Name	Result	Flag	Reference Range
POTASSIUM	1.6		mg/L
	Class 0 (Ideal) <25	Class I (Acceptable) 25 - 50	Class II (Max.Allowable) >50 - 100
PH VALUE	7.1		5.0-9.7 pH units
CHLORIDE	51		0-300 mg/L
CONDUCTIVITY mS/m @ 25 C	23.10		0-170 mS/m
IRON	200		ug/L
	Guidelines: Aesthetic Chronic health		0-300 ug/L 0-2000 ug/L
SODIUM	27		0-200 mg/L
MAGNESIUM	4.5		mg/L
	Class 0 (Ideal) <30	Class I (Acceptable) 30 - 70	Class II (Max.Allowable) >70 - 100
CALCIUM (H2O)	5		mg/L
	Class 0 (Ideal) <80	Class I (Acceptable) 80 - 150	Class II (Max.Allowable) >150 - 300
BICARBONATES (H2O)	18.9		mg/L
CARBONATES (H2O)	0		mg/L
SULPHATES	8		mg/L
	Guidelines: Aesthetic Acute health		0-250 mg/L 0-500 mg/L
MANGANESE	5		ug/L
	Guidelines: Aesthetic Chronic health		0-100 ug/L 0-400 ug/L
LANGELIER SATURATION INDEX	-2.6		
	A Saturation index value of 0 is perfectly balanced (non-corrosive and non-scaling). A Negative saturation index value will tend to be corrosive. A Positive saturation index value will tend to scale forming.		

Na ABSORPTION RATE WATER	2.10
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COMMENT: .

Sampling done by client.  
 Test results are specific only to the sample tested.  
 Samples from the same or similar source may deliver a different result.

Water testing was performed by Pathcare's wholly owned subsidiary, Bemlab Pty Ltd  
 Accreditation number T0654  
 For a list of accredited analytes, please contact Bemlab at 021 8531490 or email admin@bemlab.co.za

BORON (WATER ANALYSIS)	< 100	0-2400 ug/L
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COMMENT: .

Guidelines as per SANS 241-1:2011 Drinking water.  
 DWAF guidelines available on:  
[http://www.dwaf.gov.za/iwqs/wq\\_guide/index.asp](http://www.dwaf.gov.za/iwqs/wq_guide/index.asp)

Authorised on 2022-02-04 08:07:00  
 For consultation, contact a Pathologist - 0422934125  
 H=High, L=Low, \*H=Critically High, \*L=Critically Low  
 In rare cases, analytical interference may cause erroneous results.  
 Please inform pathologist if results and clinical picture do not concur.  
 ~ File [ ] Phone Patient [ ] Appointment [ ] Prescription [ ] Draw File [ ]