

# Final Report

Jeffreys Bay Laboratory  
 Shop 2, Surfside Centre  
 37 Da Gama Road.  
 Tel: 042 293 4125



Practice No:0774383

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

**Referred by:** GAMTOOS IRRIGATION BOARD

**Requisition No:** 728218581  
**Specimen No:** 0122:BS00053R  
**Collection Date:** 2024-01-22 11:50  
**Received Date:** 2024-01-22 12:14  
**Reported Date:** 2024-02-01 16:50

**Patient:** (Ref No: U109 201)  
**LYN 106 WATER**  
**Patient ID No:** N/A  
**Age:Sex:DoB:** U  
**Contact No:** N/A

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

**Tests requested:** 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	7.0		5.0-9.7 pH units
CHLORIDE	37		0-300 mg/L
CONDUCTIVITY mS/m @ 25 C	19.80		0-170 mS/m
IRON	440		ug/L
	Guidelines: Aesthetic Chronic health		0-300 ug/L 0-2000 ug/L
SODIUM	21		0-200 mg/L
MAGNESIUM	3.5		mg/L
	Class 0 (Ideal) <30 Class I (Acceptable) 30 - 70 Class II (Max.Allowable) >70 - 100		
CALCIUM (H2O)	4		mg/L
	Class 0 (Ideal) <80 Class I (Acceptable) 80 - 150 Class II (Max.Allowable) >150 - 300		
BICARBONATES (H2O)	13.4		mg/L
CARBONATES (H2O)	0		mg/L
SULPHATES	7		mg/L
	Guidelines: Aesthetic Acute health		0-250 mg/L 0-500 mg/L
MANGANESE	60		ug/L
	Guidelines: Aesthetic Chronic health		0-100 ug/L 0-400 ug/L
LANGELIER SATURATION INDEX	-2.9		
	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 1.80

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

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 2024-02-01 16:23

For consultation, contact a Pathologist - 0422934125

H=High, L=Low, \*H=Critically High, \*L=Critically Low, #=Delta Checked

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 [ ]