



215 Marshall Street, Flora Park, Polokwane, South Africa
P.O. Box 115 Bendor Park 0713
Tel: +27(15) 297-6666
E-mail: info@caprivet.co.za

LABORATORY TEST REPORT

WATER CHEMISTRY:

Your ref: None
Our ref: 21/03/1322
Enquiries: 015 297-6666
Date report issued: 2021/04/09

Sender/ Client: Water Legend

Owner: Ref sender

Person sent: Johan

Sample origin: On site – Vaalwater/
Maphale

Postal: 26 Railway street
Polokwane
0669

Postal: Ref sender
Ref sender
Ref sender

Tel: 071 158 4636

Tel: Ref sender

E-mail: jmeiring86.jm@gmail.com

E-mail: Ref sender

Water

1. Samples received:

2 x ground water sample(s) as indicated in Table 1.

1.1 Date sample(s) received: 2021/03/31
1.2 Time sample(s) received: 08h16
1.3 Date test(s) started: 2021/03/31
1.4 Date report completed: 2021/04/09

2. Required test(s):

2.1 Water chemistry

3. Test method

The sample(s) were tested in accordance with:

3.1 Refer to Table 1.

4. Sample and condition/...

Results in this report only relate to the item(s) tested and to conditions which prevailed upon sample reception. The test results and the statement of compliance with the specification in this report relate only to the test sample as analysed and not to the sample from which the test sample was drawn. This report may not be reproduced, except in full, without the written approval of the Laboratory Technical Manager. Case ref: 21/03/1322

4. Sample and condition :

4.1 Date of sampling:	2021/03/30
4.2 Date sample submitted:	2021/03/31
4.3 Temp. upon sample reception:	17.1 °C
4.4 Sample defects noted:	None

5. Sub contractor:

5.1 None

6. Results:

Table 1:

Refer to 2.1

Determinand	Test Method Reference	Unit	1-21/1322	2-21/1322
			Vaalwater	Maphale
Physical and aggregate properties				
pH @ 25 °C	CH-METH-001	pH units	7.2	6.4
Conductivity @25 °C	CH-METH-002	mS/m	56.0	309.1
*Total dissolved solids (calculated)	CH-METH-038	mg/l	364	2009
Alkalinity				
*Bicarbonate alkalinity as CaCO ₃	CH-METH-054	mg/l	213.8	103.3
*Carbonate alkalinity as CaCO ₃		mg/l	0.0	0.0
Hardness:				
*Total hardness as CaCO ₃	CH-METH-039	mg/l	207.80	1161.43
*Ca hardness as CaCO ₃		mg/l	65.53	493.70
*Mg hardness as CaCO ₃		mg/l	142.27	667.73
Metals				
Arsenic as As	CH-METH-020	mg/l	<0.03	<0.03
Boron as B	CH-METH-020	mg/l	0.02	0.01
Calcium as Ca	CH-METH-020	mg/l	26.21	197.48
Cadmium as Cd	CH-METH-020	mg/l	<0.01	<0.01
Copper as Cu	CH-METH-020	mg/l	0.02	0.02
Iron as Fe	CH-METH-020	mg/l	0.01	0.01
Magnesium as Mg	CH-METH-020	mg/l	34.70	162.86
Manganese as Mn	CH-METH-020	mg/l	0.02	0.02
Potassium as K	CH-METH-020	mg/l	7.78	7.78
Sodium as Na	CH-METH-020	mg/l	33.30	126.86
Zinc as Zn	CH-METH-020	mg/l	0.05	0.04
Inorganic non-metallic constituents				
Chloride as Cl	CH-METH-050	mg/l	30.1	438.7
Fluoride as F	CH-METH-013	mg/l	0.16	0.15
Nitrogen				
*Ammonium as NH ₄ -N	CH-METH-031	mg/l	<0.20	<0.20
Nitrate as NO ₃ -N	CH-METH-050	mg/l	4.11	207.80
Phosphorus				
Orthophosphate as PO ₄ -P	CH-METH-032	mg/l	<0.05	<0.05
Sulphur				
Sulphate as SO ₄	CH-METH-050	mg/l	12.75	58.50

Key/...

Results in this report only relate to the item(s) tested and to conditions which prevailed upon sample reception. The test results and the statement of compliance with the specification in this report relate only to the test sample as analysed and not to the sample from which the test sample was drawn. This report may not be reproduced, except in full, without the written approval of the Laboratory Technical Manager. Case ref: 21/03/1322

Key:

* - Not a SANAS accredited method

Page 3 of 3

Disclaimer: Comments and interpretations expressed herein are not within the scope of SANAS accreditation.

7. Comments:

7.1 None

8. Interpretations:

8.1 None

(Technical Signatory)

(END OF REPORT)