

Consulting Analytical & Industrial Chemists  
 Specialists in Water & Waste Water Treatment  
 Telephone (021)448 6340/1  
 After Hours (0833263887)  
 Telefax (021)448 6342  
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No. 1, Vine Park  
 Vine Road  
 7925  
 P.O. Box 483  
 WOODSTOCK, CAPE  
 7915

## Certificate of Analysis

### WITZENBERG MUNICIPALITY : BID 08/2/12/30&32

#### Witzenberg Municipality Reticulation Waters

#### 1 : Reservoir, Final, Post-Chlorination ex Ceres

**DATE SAMPLED :** 2019/01/11  
**DATE RECEIVED :** 2019/01/14  
**DATE ANALYSIS COMMENCED :** 2019/01/14

**OUR REF. :** 2019/01/11/977  
**REPORT NO. :** 180 & 365

	Sample Number	977	
Mthd ALA No.	Analyses	Results	SANS 241-1:2015
19	pH (at 25 °C)	6.12	≥5 - ≤ 9.7 Operational
9	Conductivity (mS/m) (at 25 °C)	5.0	≤170 Aesthetic
27	Turbidity (NTU)	0.51	≤1 Operational : ≤5 Aesthetic
97	Colour (mg/l as Pt)	<4	≤15 Aesthetic
7	Total Dissolved Solids (mg/l)	30	≤1200 Aesthetic
92	Iron (µg/l as Fe)	105	≤300 Aesthetic ≤2000 Chronic Health
92	Manganese (µg/l as Mn)	<19	≤100 Aesthetic ≤400 Chronic Health
92	Aluminium (µg/l as Al)	55	≤300 Operational
66	Free Chlorine (mg/l)	0.67	≤5 Chronic Health
66	Total Chlorine (mg/l)	0.83	N/A
84	E.coli (count per 100 ml)	<1	Not Detected
85	Total Coliform Bacteria (count per 100 ml)	1	≤10 Operational
88	Heterotrophic Plate Count (count per ml)	13	≤1000 Operational

Sampler: M.Van Rhyn (ALA)

Refer to attached Appendix 1 : Indicating \* Tests marked "SANAS Accredited", Tests Methods and Detection Limits.  
 This report relates only to the samples tested and is issued subject to the company's standard terms and conditions of business.

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JOSE DA SILVA (Cert.Sci.Nat.)  
 TECHNICAL MANAGER  
 23 January 2019

TO: WITZENBERG MUNICIPALITY  
 P O Box 44  
 CERES  
 6835

Att: S. FARMER

**Sampler:** M.Van Rhyn (ALA)

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