

Test Report

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Client: Witzenberg Municipality
Address: 50 Voortrekker Street, Ceres, 6835
Report no: 210046
Project: Witzenberg Drinking Water

Date of report: 11 February 2025
Date accepted: 04 February 2025
Date completed: 11 February 2025
Date received: 04 February 2025

Lab no:							198335
Date sampled:							03-Feb-25
Aquatico sampled:							Yes
Sample type:					Uncertainty of measurement %	SANS 241-1:2015	Water
Locality description:							Tulbagh Water Treatment Works Final
Analyses			Unit	Method			
A	AQCL	pH @ 25°C	pH	ALM 20	2.33	5 - 9.7	6.90
A	AQCL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	4.92	< 170	9.88
A	AQCL	Total Dissolved solids @ 180°C	mg/l	ALM 24	9.42	< 1200	50
A	AQCL	Chloride (Cl)	mg/l	ALM 02	7.57	< 300	17.3
A	AQCL	Nitrate (NO ₃) as N	mg/l	ALM 06	9.46	< 11	8.20
A	AQCL	Total oxidised nitrogen as N	mg/l	ALM 06	9.46		8.21
A	AQCL	Nitrite (NO ₂) as N	mg/l	ALM 07	7.73	< 0.9	<0.065
A	AQCL	Ammonium (NH ₄) as N	mg/l	ALM 05	8.46	< 1.5	<0.008
N	AQCL	Un-ionized Ammonia as N	mg/l	ALM 26			<0.005
A	AQCL	Fluoride (F)	mg/l	ALM 08	9.76	< 1.5	<0.263
A	AQCL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	7.08	< 0.3	0.040
A	AQCL	Acid Soluble Iron (Fe)	mg/l	ALMA 31	7.16	< 0.3	0.141
A	AQCL	Acid Soluble Manganese (Mn)	mg/l	ALMA 31	6.34	< 0.1	0.051
A	AQCL	Acid Soluble Copper (Cu)	mg/l	ALMA 31	5.15	< 2	<0.002
A	AQCL	E.coli	CFU/100ml	ALM 40	7.74	0	<1
A	AQCL	Total coliform	CFU/100ml	ALM 40	7.76	< 10	<1
A	AQCL	Heterotrophic plate count	CFU/ml	ALM 43	2.22	< 1000	1
A	AQCL	Turbidity	NTU	ALM 21	5.9	< 1	8.52
N	AQCL	Total Chlorine (Cl ₂)	mg/l	ALM 23	5.94		0.19
A	AQCL	Free chlorine (Cl ₂)	mg/l	ALM 23	5.94	< 5	0.05
A	AQCL	True Colour	mg/l Pt-Co	ALM 22	8.74	< 15	<5.00
A	AQL	Total organic carbon (TOC)	mg/l	ALM 63	6.46	< 10	4.38
A	AQCL	Temperature	°C	ALM 20			20.7
N	AQL	Nitrate + Nitrite as N	mg/l	ALM 26			8.21
A	AQCL	Nitrite as NO ₂	mg/l	ALM 26			0.026

A = Accredited N = Non accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NATD = Not able to determine ATR = Alternative test report ; Results relate only to the items sampled and tested ; Results reported against the limit of detection; Results marked 'Non SANAS Accredited' in this report are not included in the SANAS Schedule of Accreditation for this laboratory; Uncertainty of measurement available on request for all methods included in the SANAS Schedule of Accreditation; The report shall not be reproduced except in full without approval of the laboratory

AQL = Aquatico Laboratories ; AQCL = Aquatico Cape Laboratories

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Locality description:							Tulbagh Water Treatment Works Final
Analyses			Unit	Method			
A	AQCL	Nitrate as NO ₃	mg/l	ALM 26			36.3
A	AQL	Trihalomethanes (THM)	µg/l	OLM 02	12.24		83
A	AQL	Bromoform	µg/l	OLM 02	11.28	< 100	<2
A	AQL	Chloroform	µg/l	OLM 02	13.73	< 300	59
A	AQL	Dibromochloromethane	µg/l	OLM 02	11.83	< 100	<2
A	AQL	Bromodichloromethane	µg/l	OLM 02	12.11	< 60	24
A	AQL	Combined Bromoform	ratio	OLM 02			<0.020
A	AQL	Combined Chloroform	ratio	OLM 02			0.197
A	AQL	Combined Dibromochloromethane	ratio	OLM 02			<0.020
A	AQL	Combined Bromodichloromethane	ratio	OLM 02			0.402
A	AQL	THM Sum of rations	ratio	OLM 02		< 1	0.599
N	AQL	Combined Nitrate plus Nitrite	ratio	ALM 26		< 1	<1.00
A	AQCL	Free and Saline Ammonia as N	mg/l	ALM 26			<0.005

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