

Test Report

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Client: Witzenberg Municipality
Address: 50 Voortrekker Street, Ceres, 6835
Report no: 204250
Project: Witzenberg Drinking Water

Date of report: 10 December 2024
Date accepted: 03 December 2024
Date completed: 10 December 2024
Date received: 03 December 2024

Lab no:					Uncertainty of measure- ment %	SANS 241- 1:2015	170986
Date sampled:							02-Dec-24
Aquatico sampled:							Yes
Sample type:							Water
Locality description:							Ceres Reservoir Final Post Chlorination
Analyses				Unit	Method		
A	AQCL	pH @ 25°C	pH	ALM 20	2.33	5 - 9.7	7.62
A	AQCL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	4.92	< 170	6.84
A	AQCL	Total Dissolved solids @ 180°C	mg/l	ALM 24	9.42	< 1200	66
A	AQCL	Chloride (Cl)	mg/l	ALM 02	7.57	< 300	7.44
A	AQCL	Nitrate (NO ₃) as N	mg/l	ALM 06	9.46	< 11	0.781
A	AQCL	Total oxidised nitrogen as N	mg/l	ALM 06	9.46		0.791
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	0.084
A	AQCL	Acid Soluble Iron (Fe)	mg/l	ALMA 31	7.16	< 0.3	<0.004
A	AQCL	Acid Soluble Manganese (Mn)	mg/l	ALMA 31	6.34	< 0.1	0.002
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	1.73
N	AQCL	Total Chlorine (Cl ₂)	mg/l	ALM 23	5.94		0.06
A	AQCL	Free chlorine (Cl ₂)	mg/l	ALM 23	5.94	< 5	<0.02
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	2.69
A	AQCL	Temperature	°C	ALM 20			24.5
N	AQL	Nitrate + Nitrite as N	mg/l	ALM 26			0.791
A	AQCL	Nitrite as NO ₂	mg/l	ALM 26			0.033

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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Analyses				Unit	Method		
A	AQCL	Nitrate as NO ₃		mg/l	ALM 26		3.46
A	AQL	Trihalomethanes (THM)		µg/l	OLM 02	12.24	80
A	AQL	Bromoform		µg/l	OLM 02	11.28	< 100 <2
A	AQL	Chloroform		µg/l	OLM 02	13.73	< 300 61
A	AQL	Dibromochloromethane		µg/l	OLM 02	11.83	< 100 <2
A	AQL	Bromodichloromethane		µg/l	OLM 02	12.11	< 60 19
A	AQL	Combined Bromoform		ratio	OLM 02		<0.020
A	AQL	Combined Chloroform		ratio	OLM 02		0.203
A	AQL	Combined Dibromochloromethane		ratio	OLM 02		<0.020
A	AQL	Combined Bromodichloromethane		ratio	OLM 02		0.324
A	AQL	THM Sum of rations		ratio	OLM 02		< 1 0.527
N	AQL	Combined Nitrate plus Nitrite		ratio	ALM 26		< 1 <1.00
A	AQCL	Free and Saline Ammonia as N		mg/l	ALM 26		0.007

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