

Test Report

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Client: Moqhaka Local Municipality	Date of report: 18 December 2025
Address: Moqhaka Municipality, Hill Street, Kroonstad	Date accepted: 10 December 2025
Report no: 2450B7	Date completed: 18 December 2025
Project: Moqhaka Municipality	Date received: 10 December 2025

Lab no:			395459	395460	395461	395462	395463	395464	395465
Date sampled:			08-Dec-25	09-Dec-25	08-Dec-25	08-Dec-25	08-Dec-25	09-Dec-25	08-Dec-25
Aquatico sampled:			Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sample type:			Water	Water	Water	Water	Water	Water	Water
Locality description:			Kroonstad Boitumelo Hosp	Kroonstad Brent Park Clinic	Kroonstad Correctional Gate	Kroonstad WTW Raw	Kroonstad WTW Final	Kroonstad Tshepong Clinic	Kroonstad Suldrand Reservoir
Analyses	Unit	Method							
A AQL pH @ 25°C	pH	ALM 20	7.99	7.80	7.79	7.67	7.48	7.67	7.64
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	23.2	23.3	25.8	22.6	23.2	23.1	23.5
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	144	190	148	164	156	178	192
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	66.1	85.5	85.9	96.4	77.9	83.8	84.0
A AQL Chloride (Cl)	mg/l	ALM 02	17.0	17.4	18.6	10.8	17.5	17.5	17.8
A AQL Sulphate (SO ₄)	mg/l	ALM 03	17.2	15.7	18.1	16.8	16.0	16.4	16.2
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.754	0.745	0.786	0.744	0.751	0.818	0.784
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.754	0.745	0.786	0.744	0.751	0.818	0.784
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.057	0.036	0.027	0.030	0.023	0.024	0.021
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.322	0.410	0.343	0.341	0.289	0.274
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	15.3	16.5	18.3	17.7	16.2	16.6	17.0
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	7.39	7.82	8.72	8.40	7.88	7.94	8.24
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	21.1	22.4	24.8	22.4	22.6	22.8	22.8
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.23	6.76	6.68	7.00	6.83	6.91	6.71
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.052	0.045	0.039	0.564	0.051	0.094	0.048
A AQL Turbidity	NTU	ALM 21	3.01	3.32	2.18	258	3.47	7.47	2.01
A AQL True Colour	mg/l Pt-Co	ALM 22	9.00	9.00	<5.00	26.0	7.00	9.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.95	-1.00	-0.96	-1.05	-1.36	-1.13	-1.15

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ATR: Alternative Test Report test report ; Results relate only to the items sampled and tested ; Results reported against the limit of detection; Results marked "Not SANAS Accredited" in this report are not covered by the Scope 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

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Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 245087
Project: Moqhaka Municipality

Date of report: 18 December 2025
Date accepted: 10 December 2025
Date completed: 18 December 2025
Date received: 10 December 2025

Lab no:			395466	395467	395468	395469	395470	395471		
Date sampled:			08-Dec-25	08-Dec-25	08-Dec-25	09-Dec-25	09-Dec-25	08-Dec-25		
Aquatico sampled:			Yes	Yes	Yes	Yes	Yes	Yes		
Sample type:			Water	Water	Water	Water	Water	Water		
Locality description:			Kroonstad Panorama Centre	Kroonstad Moakeng Reservoir	Kroonheuwe I Plat Reservoir	Kroonstad Seisoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic		
Analyses			Unit	Method						
A	AQL	pH @ 25°C	pH	ALM 20	7.72	7.51	7.86	7.68	7.40	7.65
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	22.9	22.8	24.0	23.4	23.0	41.3
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	166	150	140	152	124	264
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	79.6	80.9	82.5	80.1	77.8	169
A	AQL	Chloride (Cl)	mg/l	ALM 02	17.4	17.4	16.8	17.2	17.7	25.2
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	16.1	15.9	15.9	16.5	16.4	29.3
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.711	0.734	0.902	0.744	0.707	0.270
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.711	0.734	0.902	0.744	0.707	0.270
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.026	0.026	0.020	0.025	0.023	0.141
A	AQL	Fluoride (F)	mg/l	ALM 08	0.386	<0.263	0.372	0.404	0.438	0.350
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	16.0	15.7	18.7	16.9	16.2	32.9
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	7.72	7.47	7.83	7.70	7.91	17.2
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	22.2	21.4	22.2	21.9	22.5	37.7
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.76	6.47	6.29	6.62	6.76	7.54
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.049	0.083	0.043	0.115	0.055	0.025
A	AQL	Turbidity	NTU	ALM 21	2.86	2.85	2.18	8.86	3.25	6.05
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	8.00	6.00	8.00	6.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-1.12	-1.33	-0.90	-1.13	-1.45	-0.58

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