

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 246940
Project: Moqhaka Municipality

Date of report: 06 January 2026
Date accepted: 23 December 2025
Date completed: 06 January 2026
Date received: 23 December 2025

Lab no:					404801	404802	404803	404804	404805	404806	404807
Date sampled:					22-Dec-25	23-Dec-25	22-Dec-25	23-Dec-25	22-Dec-25	22-Dec-25	22-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 Tshepong Clinic	Kroonstad Suidrand Reservoir	Kroonstad Panorama Centre	Kroonstad Moakeng Reservoir
Analyses		Unit	Method								
A	AQL pH @ 25°C	pH	ALM 20	8.10	7.75	7.89	7.57	8.14	8.28	7.62	
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.4	26.6	31.3	26.6	25.7	25.6	26.3	
A	AQL Total dissolved solids (TDS)	mg/l	ALM 26	149	155	176	154	150	151	157	
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	190	198	172	206	164	200	204	
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	73.9	81.2	89.3	79.6	78.1	78.8	87.4	
A	AQL Chloride (Cl)	mg/l	ALM 02	20.2	20.5	21.6	20.3	20.0	20.0	20.2	
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	23.2	24.3	29.3	23.5	23.1	22.5	23.6	
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.748	0.622	0.850	0.730	0.800	0.761	0.768	
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.748	0.622	0.850	0.730	0.800	0.761	0.768	
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.025	0.027	0.022	0.025	0.019	0.026	0.030	
A	AQL Fluoride (F)	mg/l	ALM 08	0.432	<0.263	<0.263	0.265	<0.263	<0.263	0.295	
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	18.2	18.9	21.0	18.7	18.2	18.5	18.3	
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	8.48	8.80	9.16	8.89	8.39	8.41	8.64	
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	23.4	23.3	29.1	23.4	22.8	23.2	22.9	
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.64	6.76	7.14	6.68	6.56	6.66	6.61	
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.037	0.065	0.034	0.131	0.011	0.131	0.017	
A	AQL Turbidity	NTU	ALM 21	1.31	1.18	1.08	10.3	1.12	6.60	0.561	
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.74	-1.04	-0.80	-1.23	-0.67	-0.53	-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

Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 246937
 Project: Moqhaka Municipality

Date of report: 05 January 2026
 Date accepted: 23 December 2025
 Date completed: 05 January 2026
 Date received: 23 December 2025

Lab no:				404795	404796
Date sampled:				22-Dec-25	22-Dec-25
Aquatico sampled:				Yes	Yes
Sample type:				Water	Water
Locality description:				Kroonstad WTW Raw	Kroonstad WTW Final
Analyses	Unit	Method			
A AQL pH @ 25°C	pH	ALM 20	7.89	7.56	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	26.2	26.4	
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	159	166	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	188	208	
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	94.5	89.5	
A AQL Chloride (Cl)	mg/l	ALM 02	12.8	20.0	
A AQL Sulphate (SO ₄)	mg/l	ALM 03	25.6	24.6	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.636	0.677	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.636	0.677	
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.033	0.058	
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	22.2	20.6	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	8.55	9.84	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	21.6	25.5	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.90	7.68	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.826	0.118	
A AQL Turbidity	NTU	ALM 21	163	4.55	
A AQL True Colour	mg/l Pt-Co	ALM 22	24.0	<5.00	
A AQL Langelier Saturation Index	LSI	ALM 26	-0.76	-1.15	

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