

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 253865
Project: Moqhaka Municipality

Date of report: 09 March 2026
Date accepted: 04 March 2026
Date completed: 09 March 2026
Date received: 04 March 2026

Lab no:				436357	436358
Date sampled:				02-Mar-26	02-Mar-26
Aquatiko 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	8.16 7.89
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.1 34.8
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	244 208
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	149 133
A	AQL	Chloride (Cl)	mg/l	ALM 02	13.8 20.7
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	22.2 21.2
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	<0.194 0.486
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	<0.194 0.486
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.019 0.016
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263 <0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	30.4 29.6
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.0 13.8
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	29.4 29.4
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	7.83 7.31
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.265 0.017
A	AQL	Turbidity	NTU	ALM 21	83.0 0.962
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00 <5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.17 -0.49

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ND: Not Detected
 ATR: Alternative Test Report; Results relate only to the items sampled and tested; Results reported against the limit of detection; Results marked as "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

M. Swanepoel
 Technical Signatory

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 253862
Project: Moqhaka Municipality

Date of report: 09 March 2026
Date accepted: 04 March 2026
Date completed: 09 March 2026
Date received: 04 March 2026

Lab no:			436339	436340	436341	436342	436343	436344	436345
Date sampled:			02-Mar-26	03-Mar-26	02-Mar-26	03-Mar-26	02-Mar-26	02-Mar-26	02-Mar-26
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	8.17	8.10	8.21	8.11	8.18	8.09	7.97
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.2	34.7	40.6	34.8	35.5	36.3	34.6
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	216	272	272	230	224	236	222
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	128	130	167	135	138	139	137
A AQL Chloride (Cl)	mg/l	ALM 02	30.8	22.7	26.8	20.9	21.5	22.4	20.4
A AQL Sulphate (SO ₄)	mg/l	ALM 03	27.0	22.4	34.2	21.9	21.7	24.5	20.6
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.927	0.517	0.590	0.530	0.537	0.543	0.555
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.927	0.517	0.590	0.530	0.537	0.543	0.555
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.172	0.067	0.052	0.043	0.020	0.015	0.015
A AQL Fluoride (F)	mg/l	ALM 08	0.538	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	30.7	29.9	33.0	30.5	31.2	30.9	29.5
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.0	13.9	14.6	13.8	13.9	13.9	13.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.1	29.1	43.4	29.9	29.9	34.0	29.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.81	7.82	8.11	7.85	7.85	7.82	7.84
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.025	0.030	0.023	0.026	0.016	0.022	0.091
A AQL Turbidity	NTU	ALM 21	0.757	1.09	0.546	0.962	0.496	1.06	2.60
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	-0.21	-0.30	-0.04	-0.25	-0.17	-0.26	-0.40

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Test Report

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Report no: 253862
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Date of report: 09 March 2026
Date accepted: 04 March 2026
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Lab no:				436346	436347	436348	436349
Date sampled:				02-Mar-26	03-Mar-26	03-Mar-26	02-Mar-26
Aquatico sampled:				Yes	Yes	Yes	Yes
Sample type:				Water	Water	Water	Water
Locality description:				Kroonheuwe I Plat Reservoir	Kroonstad Seisoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
Analyses		Unit	Method				
A	AQL pH @ 25°C	pH	ALM 20	8.07	8.00	7.80	7.94
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.1	34.9	35.4	35.6
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	226	228	242	228
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	138	136	129	133
A	AQL Chloride (Cl)	mg/l	ALM 02	21.2	20.3	20.3	22.6
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	19.9	20.2	20.2	20.5
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.589	0.517	0.535	0.488
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.589	0.517	0.535	0.488
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.016	0.009	0.043	0.058
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	29.9	30.5	29.2	29.5
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.9	13.7	13.6	14.1
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	29.8	29.3	27.2	29.8
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.82	7.24	7.73	8.07
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.024	0.047	0.010	0.027
A	AQL Turbidity	NTU	ALM 21	0.887	1.77	0.331	3.89
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.30	-0.36	-0.61	-0.45

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