

**Test Report** Page 1 of 2

<b>Client:</b> Moqhaka Local Municipality	<b>Date of report:</b> 19 February 2026
<b>Address:</b> Moqhaka Municipality, Hill Street, Kroonstad	<b>Date accepted:</b> 11 February 2026
<b>Report no:</b> 251456	<b>Date completed:</b> 19 February 2026
<b>Project:</b> Moqhaka Municipality	<b>Date received:</b> 11 February 2026

Lab no:					425352	425353	425354	425355	425356	425357	425358
Date sampled:					09-Feb-26	10-Feb-26	09-Feb-26	10-Feb-26	09-Feb-26	09-Feb-26	09-Feb-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	7.81	7.93	8.09	7.95	8.04	8.05	8.03
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.3	35.7	44.8	35.2	35.8	36.0	35.9
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	218	226	266	238	238	284	230
A	AQL	Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	127	130	156	124	120	120	122
A	AQL	Chloride (Cl)	mg/l	ALM 02	20.7	20.5	23.0	20.5	21.0	20.5	20.7
A	AQL	Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	20.9	21.0	34.6	21.0	21.1	20.9	20.8
A	AQL	Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.320	0.241	0.895	0.246	0.349	0.255	0.353
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.320	0.241	0.895	0.246	0.349	0.255	0.353
A	AQL	Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.041	0.019	0.014	0.010	0.013	<0.008	0.010
A	AQL	Fluoride (F)	mg/l	ALM 08	0.265	<0.263	<0.263	<0.263	<0.263	0.339	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.8	27.6	30.6	26.4	26.8	25.8	26.0
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.4	12.2	13.3	12.1	11.9	12.0	12.0
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	25.5	30.8	42.7	27.6	27.3	26.9	27.0
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.50	6.73	7.73	6.75	6.72	6.65	6.73
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.098	0.055	0.043	0.070	0.031	0.053	0.048
A	AQL	Turbidity	NTU	ALM 21	1.20	0.436	0.458	0.705	0.375	0.763	0.480
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	-0.64	-0.46	-0.19	-0.48	-0.40	-0.37	-0.38

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:** 251456  
**Project:** Moqhaka Municipality

**Date of report:** 19 February 2026  
**Date accepted:** 11 February 2026  
**Date completed:** 19 February 2026  
**Date received:** 11 February 2026

Lab no:				425359	425360	425361	425362
Date sampled:				09-Feb-26	10-Feb-26	10-Feb-26	09-Feb-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	8.15	8.10	8.08	8.13
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.9	36.8	36.5	35.0
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	222	244	224	202
A	AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	122	129	125	130
A	AQL Chloride (Cl)	mg/l	ALM 02	20.6	20.8	19.7	19.3
A	AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	20.9	21.2	20.6	18.6
A	AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.371	0.357	0.353	<0.194
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.371	0.357	0.353	<0.194
A	AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.040	0.058	0.044	0.182
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	25.9	27.2	26.1	23.4
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.0	12.1	12.1	11.7
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.1	27.4	27.2	25.5
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.71	6.74	6.72	6.60
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.087	0.048	0.061	0.018
A	AQL Turbidity	NTU	ALM 21	0.860	0.535	0.473	10.1
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	-0.26	-0.26	-0.31	-0.29

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**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 251468  
**Project:** Moqhaka Municipality

**Date of report:** 16 February 2026  
**Date accepted:** 11 February 2026  
**Date completed:** 16 February 2026  
**Date received:** 11 February 2026

Lab no:		425393	425394
Date sampled:		09-Feb-26	09-Feb-26
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	8.10 8.23
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.5 35.5
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	190 190
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	256 232
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	133 126
A AQL Chloride (Cl)	mg/l	ALM 02	13.2 19.5
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	22.8 21.0
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	<0.194 0.227
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	<0.194 0.227
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.138 0.015
A AQL Fluoride (F)	mg/l	ALM 08	0.272 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.6 25.5
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.1 11.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.0 26.8
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.87 6.66
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.349 0.107
A AQL Turbidity	NTU	ALM 21	33.7 0.734
A AQL True Colour	mg/l Pt-Co	ALM 22	19.0 <5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.31 -0.20

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