

Test Report

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 Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 253117
 Project: Moqhaka Municipality

 Date of report: 03 March 2026
 Date accepted: 25 February 2026
 Date completed: 03 March 2026
 Date received: 25 February 2026

Lab no:			433167	433168	433169	433170	433171	433172	433173		
Date sampled:			23-Feb-26	24-Feb-26	23-Feb-26	23-Feb-26	23-Feb-26	24-Feb-26	23-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 WTW Raw	Kroonstad WTW Final	Kroonstad Tshepong Clinic	Kroonstad Suidrand Reservoir		
	Analyses	Unit	Method								
A	AQL pH @ 25°C	pH	ALM 20		8.22	8.30	8.39	8.32	8.24	8.31	8.32
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20		35.5	36.2	43.2	35.2	36.1	36.5	36.0
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24		284	292	312	310	258	286	264
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01		129	134	158	142	139	131	126
A	AQL Chloride (Cl)	mg/l	ALM 02		21.7	22.1	24.2	13.3	22.3	22.8	22.0
A	AQL Sulphate (SO ₄)	mg/l	ALM 03		19.2	20.6	29.9	20.8	20.1	20.0	19.7
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06		<0.194	<0.194	<0.194	<0.194	<0.194	<0.194	<0.194
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06		<0.194	<0.194	<0.194	<0.194	<0.194	<0.194	<0.194
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05		0.070	0.036	0.022	0.143	0.017	0.016	0.012
A	AQL Fluoride (F)	mg/l	ALM 08		<0.263	0.353	0.345	<0.263	<0.263	<0.263	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30		26.0	26.7	28.9	26.7	26.2	27.1	27.1
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30		11.7	12.1	12.2	12.2	12.0	12.3	11.8
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30		25.5	25.8	40.3	25.8	25.6	26.0	25.8
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30		6.69	6.71	7.51	7.27	6.69	6.82	6.77
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31		0.078	0.063	0.050	0.407	0.094	0.139	0.040
A	AQL Turbidity	NTU	ALM 21		0.711	0.917	0.258	79.7	1.09	1.72	0.414
A	AQL True Colour	mg/l Pt-Co	ALM 22		6.00	8.00	8.00	29.0	<5.00	5.00	8.00
A	AQL Langelier Saturation Index	LSI	ALM 26		-0.23	-0.13	0.07	-0.08	-0.17	-0.12	-0.12

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

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Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 253117
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Date of report: 03 March 2026
Date accepted: 25 February 2026
Date completed: 03 March 2026
Date received: 25 February 2026

Lab no:	433174	433175	433176	433177	433178	433179			
Date sampled:	23-Feb-26	23-Feb-26	23-Feb-26	23-Feb-26	24-Feb-26	23-Feb-26			
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	8.31	8.28	8.31	8.29	8.24	8.06
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.8	36.2	36.1	36.3	36.4	35.9
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	252	280	256	276	278	238
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	124	142	127	126	128	131
A	AQL Chloride (Cl)	mg/l	ALM 02	21.8	22.5	21.4	21.7	21.8	20.2
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	19.5	19.8	20.4	20.1	20.6	18.8
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194	<0.194	0.332
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194	<0.194	0.332
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	<0.008	<0.008	<0.008	0.012	0.019	0.016
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.0	27.2	27.6	28.0	27.4	25.7
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.9	12.2	12.4	11.9	12.3	12.2
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	25.9	26.0	26.3	25.9	26.2	26.9
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.88	7.26	7.29	7.18	7.28	7.13
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.077	0.081	0.146	0.044	0.092	0.071
A	AQL Turbidity	NTU	ALM 21	1.04	0.845	1.74	0.628	0.879	16.8
A	AQL True Colour	mg/l Pt-Co	ALM 22	7.00	<5.00	6.00	6.00	<5.00	6.00
A	AQL Langeller Saturation Index	LSI	ALM 26	-0.14	-0.11	-0.12	-0.14	-0.19	-0.40

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