

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 248834
Project: Moqhaka Municipality

Date of report: 28 January 2026
Date accepted: 21 January 2026
Date completed: 28 January 2026
Date received: 21 January 2026

Lab no:			414072	414073	414074	414075	414076	414077	414078		
Date sampled:			19-Jan-26	20-Jan-26	19-Jan-26	19-Jan-26	19-Jan-26	20-Jan-26	19-Jan-26		
Aquatico sampled:			Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Sample type:			Water	Water	Water	Water	Water	Water	Water		
Locality description:			Kroonstad Boltumelo 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	8.10	8.11	8.21	8.19	8.12	8.15	8.19
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.3	34.6	48.1	33.7	34.5	34.5	34.1
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	205	206	298	204	205	200	202
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	212	226	306	264	240	240	234
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	135	138	190	146	136	132	132
A	AQL	Chloride (Cl)	mg/l	ALM 02	19.8	20.8	23.7	13.0	20.6	19.7	19.4
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	24.5	23.1	44.0	24.2	23.4	22.6	24.2
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.587	0.432	1.04	0.373	0.404	0.459	0.620
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.587	0.432	1.04	0.373	0.404	0.459	0.620
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.014	0.019	0.014	0.092	0.015	0.013	0.017
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	0.268	<0.263	0.265	0.314	0.374
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.9	28.1	33.8	28.2	28.5	27.9	27.9
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.0	13.0	14.2	13.3	13.0	13.0	12.9
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.7	27.8	53.8	27.9	28.1	27.5	27.4
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.91	6.86	8.33	6.94	6.91	6.83	6.92
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.036	0.071	0.033	0.509	0.157	0.065	0.021
A	AQL	Turbidity	NTU	ALM 21	4.34	3.26	1.23	58.9	2.17	1.45	1.46
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	7.00	30.0	8.00	9.00	7.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.30	-0.28	0.03	-0.18	-0.27	-0.27	-0.22

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

M. Swanepoel
 Technical Signatory

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Date of report: 28 January 2026
Date accepted: 21 January 2026
Date completed: 28 January 2026
Date received: 21 January 2026

Lab no:					414079	414080	414081	414082	414083	414084
Date sampled:					19-Jan-26	19-Jan-26	19-Jan-26	20-Jan-26	20-Jan-26	19-Jan-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 l Plat Reservoir	Kroonstad Seisoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
	Analyses	Unit	Method							
A	AQL pH @ 25°C	pH	ALM 20	8.28	8.05	8.15	8.16	8.05	7.86	
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.7	34.8	34.7	34.9	34.8	26.3	
A	AQL Total dissolved solids (TDS)	mg/l	ALM 26	206	206	206	206	201	151	
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	232	230	224	224	206	166	
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	134	137	139	138	133	95.6	
A	AQL Chloride (Cl)	mg/l	ALM 02	20.1	20.1	20.0	20.1	19.8	20.0	
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	25.2	23.8	23.4	23.6	23.2	15.8	
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.613	0.482	0.499	0.496	0.427	0.322	
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.613	0.482	0.499	0.496	0.427	0.322	
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.010	0.013	0.016	0.014	0.016	0.311	
A	AQL Fluoride (F)	mg/l	ALM 08	0.297	<0.263	<0.263	<0.263	<0.263	<0.263	
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.8	28.4	28.3	28.7	27.7	18.1	
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.7	13.1	13.0	12.9	12.8	8.82	
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	28.7	27.6	27.7	27.7	27.5	22.1	
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.79	6.89	6.90	6.79	6.71	6.23	
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.034	0.072	0.105	0.110	0.066	0.012	
A	AQL Turbidity	NTU	ALM 21	1.27	0.889	2.23	5.44	0.976	4.05	
A	AQL True Colour	mg/l Pt-Co	ALM 22	5.00	<5.00	<5.00	<5.00	5.00	<5.00	
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.13	-0.34	-0.24	-0.22	-0.36	-0.87	

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