

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 234484
Project: Moqhaka Municipality

Date of report: 18 September 2025
Date accepted: 10 September 2025
Date completed: 18 September 2025
Date received: 10 September 2025

Lab no:	344060	344029	344028	344027	344026	344025	344024		
Date sampled:	08-Sep-25	08-Sep-25	09-Sep-25	08-Sep-25	08-Sep-25	09-Sep-25	08-Sep-25		
Aquatico sampled:	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water	Water	Water	Water		
Locality description:	Kroonstad Panorama Centre	Kroonstad Moqhaka clinic	Kroonstad Seisoville Clinic	Kroonheuwe I Plat Reservoir	Kroonstad Suidrand Reservoir	Kroonstad Tshepong Clinic	Kroonstad Correctional Gate		
Analyses	Unit	Method							
A AQL pH @ 25°C	pH	ALM 20	7.72	7.61	7.81	7.82	7.82	8.27	7.94
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.5	35.1	32.3	32.1	32.2	32.8	36.9
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	188	200	188	186	186	192	219
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	280	280	228	300	284	256	292
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	114	122	113	108	111	116	136
A AQL Chloride (Cl)	mg/l	ALM 02	22.1	22.1	21.7	22.5	21.9	22.4	23.4
A AQL Sulphate (SO ₄)	mg/l	ALM 03	26.7	26.2	26.2	27.3	26.6	26.7	30.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.459	0.699	0.403	0.439	0.425	0.481	0.769
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.459	0.699	0.403	0.439	0.425	0.481	0.769
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.370	0.038	0.036	0.063	0.053	0.045	0.048
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.264	0.477	<0.263	<0.263	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	21.8	25.8	22.9	22.0	22.2	22.8	24.9
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	10.8	12.8	10.5	11.0	10.8	11.2	11.5
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.6	28.1	27.9	28.0	27.8	28.3	34.7
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.84	6.95	6.95	6.98	6.98	7.12	7.64
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.026	0.351	0.044	0.034	0.007	0.018	0.013
A AQL Turbidity	NTU	ALM 21	1.13	28.0	2.74	1.38	1.15	1.00	0.743
A AQL True Colour	mg/l Pt-Co	ALM 22	7.00	7.00	8.00	9.00	11.0	7.00	5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.87	-0.87	-0.74	-0.78	-0.76	-0.28	-0.51

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NATD = Not able to determine ATR = Alternative 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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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 234484
Project: Moqhaka Municipality

Date of report: 18 September 2025
Date accepted: 10 September 2025
Date completed: 18 September 2025
Date received: 10 September 2025

Lab no:				344023	344022	
Date sampled:				09-Sep-25	08-Sep-25	
Aquatico sampled:				Yes	Yes	
Sample type:				Water	Water	
Locality description:				Kroonstad Brent Park Clinic	Kroonstad Boitumelo Hosp	
Analyses			Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.07	7.65
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.1	31.9
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	185	183
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	266	276
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	108	107
A	AQL	Chloride (Cl)	mg/l	ALM 02	21.8	21.6
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	26.9	26.3
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.443	0.496
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.443	0.496
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.071	0.063
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	22.4	21.6
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	10.7	11.0
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	28.0	27.7
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	7.04	7.02
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.029	0.018
A	AQL	Turbidity	NTU	ALM 21	3.20	1.33
A	AQL	True Colour	mg/l Pt-Co	ALM 22	8.00	8.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.52	-0.96

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Test Report

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Client: Mophaka Local Municipality
 Address: Mophaka Municipality, Hill Street, Kroonstad
 Report no: 234487
 Project: Mophaka Municipality

Date of report: 18 September 2025
 Date accepted: 10 September 2025
 Date completed: 18 September 2025
 Date received: 10 September 2025

Lab no	Sample	Sample		
Date sampled:	08-Sep-25	08-Sep-25		
Aquatic sampled:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Estimated g/TW Final	Estimated g/TW Raw		
Analyses	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	7.58	7.81
A AQL Electrical conductivity (EC) @ 25°C	µS/cm	ALM 20	81.8	80.8
A AQL Total dissolved solids (TDS)	mg/l	ALM 28	178	176
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	264	220
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	101	105
A AQL Chloride (Cl)	mg/l	ALM 02	21.8	17.3
A AQL Sulphate (SO ₄)	mg/l	ALM 03	25.9	26.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.415	0.281
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.415	0.281
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.038	0.174
A AQL Fluoride (F)	mg/l	ALM 08	0.297	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	21.3	21.1
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	10.7	10.5
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.6	27.0
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.04	7.09
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.027	0.163
A AQL Turbidity	NTU	ALM 21	1.08	44.4
A AQL True Colour	mg/l Pt-Co	ALM 22	9.00	39.0
A AQL Langelier Saturation Index	LSI	ALM 26	-0.90	-0.71

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