

Test Report

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Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 247197
 Project: Moqhaka Municipality

Date of report: 12 January 2026
 Date accepted: 07 January 2026
 Date completed: 12 January 2026
 Date received: 07 January 2026

Lab no:	405966	405967	405968	405969	405970	405971	405972		
Date sampled:	05-Jan-26	06-Jan-26	05-Jan-26	06-Jan-26	05-Jan-26	05-Jan-26	05-Jan-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	7.83	7.84	7.97	7.78	7.99	7.89	7.80
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	31.6	32.5	37.0	32.1	31.1	31.4	32.0
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	184	192	218	183	182	184	191
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	254	264	254	240	210	230	244
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	115	120	130	116	119	122	125
A AQL Chloride (Cl)	mg/l	ALM 02	19.3	19.2	21.8	19.4	19.9	19.0	17.8
A AQL Sulphate (SO ₄)	mg/l	ALM 03	23.2	23.6	30.4	18.9	18.1	19.2	23.5
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.999	0.884	0.835	0.602	0.536	0.536	0.610
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.999	0.884	0.835	0.602	0.536	0.536	0.610
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.009	0.010	0.009	0.008	0.014	<0.008	0.011
A AQL Fluoride (F)	mg/l	ALM 08	0.373	0.392	0.323	0.275	0.265	0.319	0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.6	26.5	27.8	26.3	25.2	25.1	25.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.4	12.0	11.8	11.8	11.2	11.6	11.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	25.0	26.3	35.3	26.2	25.2	25.1	25.7
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.22	7.25	7.54	7.15	6.93	6.75	7.36
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.030	0.089	0.023	0.088	0.014	0.072	0.016
A AQL Turbidity	NTU	ALM 21	0.975	2.86	0.891	2.42	0.752	3.87	0.524
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	5.00	9.00	5.00	9.00	<5.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.71	-0.64	-0.46	-0.72	-0.51	-0.60	-0.68

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: 247197
Project: Moqhaka Municipality

Date of report: 12 January 2026
Date accepted: 07 January 2026
Date completed: 12 January 2026
Date received: 07 January 2026

Lab no:	405973	405974	405975	405976
Date sampled:	05-Jan-26	06-Jan-26	06-Jan-26	05-Jan-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		7.91 7.87 7.66 7.52
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20		31.8 33.0 32.7 25.9
A AQL Total dissolved solids (TDS)	mg/l	ALM 26		191 203 194 150
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24		202 240 236 200
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01		126 141 127 90.6
A AQL Chloride (Cl)	mg/l	ALM 02		17.2 17.3 17.7 18.7
A AQL Sulphate (SO ₄)	mg/l	ALM 03		23.6 24.0 23.9 18.9
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06		0.609 0.632 0.623 0.215
A AQL Total oxidised nitrogen as N	mg/l	ALM 06		0.609 0.632 0.623 0.215
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05		0.013 0.013 0.012 0.172
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		25.3 27.2 26.2 18.4
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30		11.8 12.0 12.1 9.06
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30		25.9 26.1 26.2 22.3
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30		7.16 7.32 7.14 5.72
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31		0.060 0.147 0.016 0.049
A AQL Turbidity	NTU	ALM 21		1.71 3.60 0.403 10.7
A AQL True Colour	mg/l Pt-Co	ALM 22		5.00 9.00 6.00 <5.00
A AQL Langelier Saturation Index	LSI	ALM 26		-0.55 -0.53 -0.80 -1.23

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Test Report

Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 247245
 Project: Moqhaka Municipality

Date of report: 13 January 2026
 Date accepted: 07 January 2026
 Date completed: 13 January 2026
 Date received: 07 January 2026

Lab no:				406217	406218
Date sampled:				05-Jan-26	05-Jan-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	8.26	8.30
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.5	33.0
A	AQL Total dissolved solids (TDS)	mg/l	ALM 26	197	194
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	298	258
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	140	130
A	AQL Chloride (Cl)	mg/l	ALM 02	13.4	18.9
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	22.5	22.3
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.568	0.571
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.568	0.571
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.045	0.023
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.319
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	26.7	25.7
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.5	11.9
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.0	25.9
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.32	7.18
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.526	0.037
A	AQL Turbidity	NTU	ALM 21	84.1	1.11
A	AQL True Colour	mg/l Pt-Co	ALM 22	19.0	9.00
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.15	-0.15

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