aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas Testing Laboratory T0685

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	09 February 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	04 February 2026
Report no:	250543	**Date completed:**	09 February 2026
Project:	Moqhaka Municipality	**Date received:**	04 February 2026

		Lab no:			421368	421369
		Date sampled:			03-Feb-26	03-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	7.74	7.38
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.7	35.2
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	312	258
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	139	116
A	AQL	Chloride (Cl)	mg/l	ALM 02	13.4	30.0
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	19.7	19.9
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.247	0.535
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.247	0.535
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.406	0.014
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.4	27.1
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.0	11.9
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.9	27.6
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.81	6.88
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.238	0.160
A	AQL	Turbidity	NTU	ALM 21	31.2	3.52
A	AQL	True Colour	mg/l Pt-Co	ALM 22	23.0	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.69	-1.09

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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aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 250548
Project: Moqhaka Municipality

Date of report: 11 February 2026
Date accepted: 04 February 2026
Date completed: 10 February 2026
Date received: 04 February 2026

		Analyses	Unit	Method	421387	421388	421389	421390	421391	421392	421393
Lab no:					421387	421388	421389	421390	421391	421392	421393
Date sampled:					02-Feb-26	03-Feb-26	02-Feb-26	02-Feb-26	02-Feb-26	02-Feb-26	03-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 Suidrand Reservoir	Kroonstad Panorama Centre	Kroonheuwel Plat Reservoir	Kroonstad Seisoville Clinic
A	AQL	pH @ 25°C	pH	ALM 20	7.68	7.86	7.97	7.94	7.99	7.95	7.92
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	36.0	35.9	41.5	36.9	35.9	36.0	36.9
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	236	236	272	232	220	220	240
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	122	119	149	127	122	122	122
A	AQL	Chloride (Cl)	mg/l	ALM 02	20.8	21.8	22.8	20.8	20.7	21.4	22.9
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	21.7	20.4	27.6	20.4	20.0	19.9	19.8
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	1.67	0.480	0.615	0.386	0.308	0.421	0.523
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	1.67	0.480	0.615	0.386	0.308	0.421	0.523
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.023	0.033	0.018	0.018	0.018	0.026	0.044
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.7	26.1	28.7	27.0	26.7	26.2	28.1
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.7	11.8	12.5	12.0	11.9	12.0	12.0
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.0	27.1	36.9	27.5	27.4	27.1	27.3
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.78	6.89	7.30	6.85	6.85	6.81	6.92
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.050	0.609	0.060	0.035	0.051	0.098	0.366
A	AQL	Turbidity	NTU	ALM 21	2.98	17.5	1.01	0.900	1.11	2.72	16.6
A	AQL	True Colour	mg/l Pt-Co	ALM 22	5.00	<5.00	<5.00	<5.00	9.00	7.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.76	-0.59	-0.35	-0.47	-0.44	-0.48	-0.50

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