aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	02 February 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	28 January 2026
Report no:	249708	**Date completed:**	02 February 2026
Project:	Moqhaka Municipality	**Date received:**	28 January 2026

		Lab no:			418262	418263	418264	418265	418266	418267	418268
		Date sampled:			26-Jan-26	27-Jan-26	26-Jan-26	26-Jan-26	26-Jan-26	27-Jan-26	26-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 WTW Raw	Kroonstad WTW Final	Kroonstad Tshepong Clinic	Kroonstad Suidrand Reservoir
		Analyses	Unit	Method							
A	AQL	pH @ 25°C	pH	ALM 20	8.18	8.02	8.14	8.11	7.86	8.06	8.10
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.6	34.5	39.6	33.2	34.5	34.5	34.8
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	191	191	226	190	191	192	195
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	236	224	252	258	226	176	224
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	122	125	149	135	126	127	131
A	AQL	Chloride (Cl)	mg/l	ALM 02	21.2	21.5	23.3	13.7	21.3	20.4	19.9
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	20.2	19.5	26.4	20.4	19.6	19.8	20.1
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.341	0.360	0.502	0.260	0.331	0.434	0.390
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.341	0.360	0.502	0.260	0.331	0.434	0.390
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.011	0.018	0.012	0.098	0.015	0.014	0.011
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	0.345	0.507	0.477	0.836	0.535
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.2	26.5	28.3	26.3	26.3	26.3	27.2
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.6	12.4	12.6	12.5	12.3	12.3	12.5
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.9	26.6	35.4	26.5	26.5	26.5	26.7
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.62	6.52	6.84	6.63	6.53	6.54	6.52
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.095	0.090	0.049	0.375	0.128	0.101	0.035
A	AQL	Turbidity	NTU	ALM 21	1.50	1.61	0.852	54.8	1.69	1.76	0.359
A	AQL	True Colour	mg/l Pt-Co	ALM 22	6.00	6.00	9.00	31.0	5.00	5.00	10.0
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.27	-0.42	-0.21	-0.31	-0.59	-0.37	-0.31

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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Test Report

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Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	28 January 2026
Report no:	249708	**Date completed:**	02 February 2026
Project:	Moqhaka Municipality	**Date received:**	28 January 2026

Lab no:					418269	418270	418271	418272	418273	418274
Date sampled:					26-Jan-26	26-Jan-26	26-Jan-26	27-Jan-26	27-Jan-26	26-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	Kroonheuwel Plat Reservoir	Kroonstad Seisoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
		Analyses	**Unit**	**Method**						
A	AQL	pH @ 25°C	pH	ALM 20	8.37	7.88	8.04	8.01	7.66	7.66
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.4	34.8	34.4	34.6	36.7	27.7
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	192	191	190	193	187	144
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	198	226	214	204	210	172
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	126	124	123	126	118	86.1
A	AQL	Chloride (Cl)	mg/l	ALM 02	20.7	20.1	20.5	21.7	21.4	20.4
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	20.2	20.1	19.7	19.8	19.8	13.9
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.215	0.422	0.281	0.291	0.291	<0.194
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.215	0.422	0.281	0.291	0.291	<0.194
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.009	0.009	0.020	0.011	0.014	0.241
A	AQL	Fluoride (F)	mg/l	ALM 08	0.289	<0.263	0.630	0.343	0.499	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	26.8	27.2	26.4	27.3	26.5	18.8
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.5	12.8	12.6	12.4	12.4	9.29
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.9	26.6	26.7	26.7	26.8	21.8
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.69	6.59	6.54	6.57	6.59	6.05
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.093	0.024	0.105	0.063	0.084	0.022
A	AQL	Turbidity	NTU	ALM 21	1.62	0.398	1.26	2.37	1.09	12.9
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	9.00	7.00	<5.00	5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.06	-0.56	-0.41	-0.42	-0.81	-1.09

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