aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	17 March 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	11 March 2026
Report no:	254747	**Date completed:**	17 March 2026
Project:	Moqhaka Municipality	**Date received:**	11 March 2026

		Analyses	Unit	Method	440646	440647	440648	440649
Lab no:					440646	440647	440648	440649
Date sampled:					09-Mar-26	09-Mar-26	09-Mar-26	09-Mar-26
Aquatico sampled:					Yes	Yes	Yes	Yes
Sample type:					Water	Water	Water	Water
Locality description:					Steynsrus Fouche Reservoir	Steynsrus Municipal Offices	Steynsrus Matlwangtl wang Res	Steynsrus Mantlwang Communal Tap
A	AQL	pH @ 25°C	pH	ALM 20	8.31	8.32	8.35	8.28
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.6	32.8	33.2	30.8
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	230	236	258	234
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	135	142	142	144
A	AQL	Chloride (Cl)	mg/l	ALM 02	14.8	15.1	15.6	14.1
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	15.2	15.0	15.4	14.4
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.026	0.015	0.023	0.096
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	0.293
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.2	24.9	24.6	23.6
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.4	14.8	14.5	14.1
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	22.5	23.1	22.5	21.1
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.91	6.85	6.83	6.81
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.045	0.051	0.955	3.77
A	AQL	Turbidity	NTU	ALM 21	0.603	0.637	6.44	30.7
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	5.00	<5.00	6.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.16	-0.11	-0.09	-0.17

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ND: Not Detected ATR: Alternative Test Report; Results relate only to the items sampled and tested, Results reported against the limit of detection; Results marked as "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

Client:	Moqhaka Local Municipality	**Date of report:**	16 March 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	11 March 2026
Report no:	254750	**Date completed:**	16 March 2026
Project:	Moqhaka Municipality	**Date received:**	11 March 2026

		Lab no:			440655	440656
		Date sampled:			09-Mar-26	09-Mar-26
		Aquatico sampled:			Yes	Yes
		Sample type:			Water	Water
		Locality description:			Steynsrus WTW Raw	Steynsrus WTW Final
		Analyses	Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.28	8.25
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	30.3	31.7
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	208	224
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	130	129
A	AQL	Chloride (Cl)	mg/l	ALM 02	10.7	15.6
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	15.2	14.7
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	<0.194	<0.194
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	<0.194	<0.194
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.020	<0.008
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	21.9	23.6
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.7	13.9
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	20.7	21.5
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.80	6.79
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.062	0.022
A	AQL	Turbidity	NTU	ALM 21	16.1	0.529
A	AQL	True Colour	mg/l Pt-Co	ALM 22	24.0	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.24	-0.25

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