aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	05 January 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	23 December 2025
Report no:	246942	**Date completed:**	05 January 2026
Project:	Moqhaka Municipality	**Date received:**	23 December 2025

					404816	404817	404818
Lab no:							
Date sampled:					23-Dec-25	23-Dec-25	23-Dec-25
Aquatico sampled:					Yes	Yes	Yes
Sample type:					Water	Water	Water
Locality description:					Viljoenskroon Municipal Offices	Viljoenskroon Community Hall	Viljoenskroon Renyakaletsi Pump Station
		Analyses		**Unit**	**Method**		
A	AQL	pH @ 25°C		pH	ALM 20	8.13	8.24	8.04
A	AQL	Electrical conductivity (EC) @ 25°C		mS/m	ALM 20	31.2	32.8	34.4
A	AQL	Total dissolved solids (TDS)		mg/l	ALM 26	189	197	198
A	AQL	Total Dissolved solids @ 180°C		mg/l	ALM 24	222	238	200
A	AQL	Total Alkalinity		mg $CaCO_3$/l	ALM 01	109	107	104
A	AQL	Chloride (Cl)		mg/l	ALM 02	20.8	27.4	28.0
A	AQL	Sulphate (SO_4)		mg/l	ALM 03	31.8	31.0	31.7
A	AQL	Nitrate (NO_3) as N		mg/l	ALM 06	0.770	0.676	0.761
A	AQL	Total oxidised nitrogen as N		mg/l	ALM 06	0.770	0.676	0.761
A	AQL	Ammonium (NH_4) as N		mg/l	ALM 05	0.020	0.023	0.031
A	AQL	Fluoride (F)		mg/l	ALM 08	<0.263	0.373	<0.263
A	AQL	Acid Soluble Calcium (Ca)		mg/l	ALMA 30	25.3	25.1	25.0
A	AQL	Acid Soluble Magnesium (Mg)		mg/l	ALMA 30	12.8	13.2	12.8
A	AQL	Acid Soluble Sodium (Na)		mg/l	ALMA 30	22.7	25.4	27.0
A	AQL	Acid Soluble Potassium (K)		mg/l	ALMA 30	5.54	5.84	5.99
A	AQL	Acid Soluble Aluminium (Al)		mg/l	ALMA 31	0.007	0.020	0.008
A	AQL	Turbidity		NTU	ALM 21	0.371	1.20	0.255
A	AQL	True Colour		mg/l Pt-Co	ALM 22	5.00	<5.00	<5.00
A	AQL	Langelier Saturation Index		LSI	ALM 26	-0.41	-0.31	-0.52

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: 246939
Project: Moqhaka Municipality

Date of report: 05 January 2026
Date accepted: 23 December 2025
Date completed: 05 January 2026
Date received: 23 December 2025

Lab no:					404799	404800
Date sampled:					23-Dec-25	23-Dec-25
Aquatico sampled:					Yes	Yes
Sample type:					Water	Water
Locality description:					Viljoenskroon WTW Raw	Viljoenskroon WTW Final
		Analyses	Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	7.86	8.01
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	30.9	31.3
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	195	189
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	234	210
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	119	105
A	AQL	Chloride (Cl)	mg/l	ALM 02	18.8	21.9
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	32.0	32.0
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.799	0.816
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.799	0.816
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.036	0.030
A	AQL	Fluoride (F)	mg/l	ALM 08	0.344	0.353
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.2	24.8
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.9	13.6
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	22.8	22.7
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	5.76	5.65
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.906	0.012
A	AQL	Turbidity	NTU	ALM 21	174	0.898
A	AQL	True Colour	mg/l Pt-Co	ALM 22	17.0	7.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.64	-0.55

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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