aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 233593
Project: Moqhaka Municipality

Date of report: 08 September 2025
Date accepted: 02 September 2025
Date completed: 08 September 2025
Date received: 02 September 2025

Lab no:					312906	312905	312904	312903
Date sampled:					01-Sep-25	01-Sep-25	01-Sep-25	01-Sep-25
Aquatico sampled:					Yes	Yes	Yes	Yes
Sample type:					Water	Water	Water	Water
Locality description:					Steynsrus Mantlwang Communal Tap	Steynsrus Matlwangtl wang Res	Steynsrus Municipal Offices	Steynsrus Fouche Reservoir
		Analyses	**Unit**	**Method**				
A	AQL	pH @ 25°C	pH	ALM 20	8.32	8.40	8.42	8.41
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.1	30.2	30.7	30.6
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	162	212	204	204
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	107	134	135	139
A	AQL	Chloride (Cl)	mg/l	ALM 02	12.0	13.8	17.3	14.5
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	12.6	17.2	23.5	17.1
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.448	0.394	0.238	0.276
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.448	0.394	0.238	0.276
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.026	0.027	0.186	0.031
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	0.311	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	20.7	24.7	25.5	24.9
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.5	14.4	14.2	13.9
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	13.6	18.4	18.6	18.0
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.05	6.46	6.36	6.12
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.069	0.087	0.087	0.098
A	AQL	Turbidity	NTU	ALM 21	0.812	2.15	0.425	1.04
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.28	-0.04	0.00	-0.01

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NATD = Not able to determine ATR = Alternative 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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ilac-MRA sanas T0685

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	08 September 2025
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	02 September 2025
Report no:	233596	**Date completed:**	08 September 2025
Project:	Moqhaka Municipality	**Date received:**	02 September 2025

Lab no:						312913	312912
Date sampled:						01-Sep-25	01-Sep-25
Aquatico sampled:						Yes	Yes
Sample type:						Water	Water
Locality description:						Steynsrus WTW Final	Steynsrus WTW Raw
		Analyses		**Unit**	**Method**		
A	AQL	pH @ 25°C		pH	ALM 20	8.39	8.38
A	AQL	Electrical conductivity (EC) @ 25°C		mS/m	ALM 20	29.5	29.1
A	AQL	Total Dissolved solids @ 180°C		mg/l	ALM 24	186	188
A	AQL	Total Alkalinity		mg $CaCO_3$/l	ALM 01	140	149
A	AQL	Chloride (Cl)		mg/l	ALM 02	11.5	8.06
A	AQL	Sulphate (SO_4)		mg/l	ALM 03	9.57	16.7
A	AQL	Nitrate (NO_3) as N		mg/l	ALM 06	0.228	0.268
A	AQL	Total oxidised nitrogen as N		mg/l	ALM 06	0.228	0.268
A	AQL	Ammonium (NH_4) as N		mg/l	ALM 05	0.032	0.041
A	AQL	Fluoride (F)		mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)		mg/l	ALMA 30	22.8	23.2
A	AQL	Acid Soluble Magnesium (Mg)		mg/l	ALMA 30	13.7	14.1
A	AQL	Acid Soluble Sodium (Na)		mg/l	ALMA 30	17.4	17.6
A	AQL	Acid Soluble Potassium (K)		mg/l	ALMA 30	6.06	6.14
A	AQL	Acid Soluble Aluminium (Al)		mg/l	ALMA 31	0.092	0.106
A	AQL	Turbidity		NTU	ALM 21	0.557	13.5
A	AQL	True Colour		mg/l Pt-Co	ALM 22	9.00	28.0
A	AQL	Langelier Saturation Index		LSI	ALM 26	-0.06	-0.04

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