aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas T0685

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 254751
Project: Moqhaka Municipality

Date of report: 16 March 2026
Date accepted: 11 March 2026
Date completed: 16 March 2026
Date received: 11 March 2026

Lab no:					440657	440658
Date sampled:					10-Mar-26	10-Mar-26
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	7.90	8.03
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.9	34.0
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	282	250
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	109	112
A	AQL	Chloride (Cl)	mg/l	ALM 02	21.4	26.1
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	30.5	29.5
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.296	0.268
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.296	0.268
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.029	<0.008
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.2	25.7
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.1	12.0
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	25.0	26.2
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	5.53	5.51
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.665	<0.003
A	AQL	Turbidity	NTU	ALM 21	341	0.772
A	AQL	True Colour	mg/l Pt-Co	ALM 22	13.0	7.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.65	-0.50

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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aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas testing laboratory T0685

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 254748
Project: Moqhaka Municipality

Date of report: 16 March 2026
Date accepted: 11 March 2026
Date completed: 16 March 2026
Date received: 11 March 2026

Lab no:				440650	440651	440652
Date sampled:				10-Mar-26	10-Mar-26	10-Mar-26
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	7.98	7.96	7.97
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.9	35.8	41.8
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	256	256	284
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	122	122	150
A	AQL	Chloride (Cl)	mg/l	ALM 02	28.3	27.5	31.2
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	32.2	31.9	32.9
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.204	0.262	0.477
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.204	0.262	0.477
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.010	0.010	0.011
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.2	26.8	32.8
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.7	13.4	16.4
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.7	27.0	29.4
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	5.15	5.44	5.21
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.005	<0.003	<0.003
A	AQL	Turbidity	NTU	ALM 21	0.408	0.491	0.299
A	AQL	True Colour	mg/l Pt-Co	ALM 22	5.00	<5.00	6.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.48	-0.51	-0.33

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ND: Not Detected
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