aquatico Laboratories (Pty). Ltd.

ilac-MRA sanas Testing Laboratory T0085

Test Report

Client:	Moqhaka Local Municipality	**Date of report:**	19 January 2026
Address:	Moqhaka Municipality, Hill Street, Kroonstad	**Date accepted:**	14 January 2026
Report no:	247963	**Date completed:**	16 January 2026
Project:	Moqhaka Municipality	**Date received:**	14 January 2026

Lab no:					409631	409632	409633	409634	409635	409636	409637
Date sampled:					12-Jan-26	13-Jan-26	12-Jan-26	13-Jan-26	12-Jan-26	12-Jan-26	12-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 Tshepong Clinic	Kroonstad Suidrand Reservoir	Kroonstad Panorama Centre	Kroonstad Moakeng Reservoir
		Analyses	**Unit**	**Method**							
A	AQL	pH @ 25°C	pH	ALM 20	8.22	8.21	8.45	8.29	8.38	8.28	8.28
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.5	33.7	43.6	34.3	33.6	33.8	34.0
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	193	201	263	198	194	197	192
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	280	260	336	256	264	264	258
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	122	130	162	129	128	129	126
A	AQL	Chloride (Cl)	mg/l	ALM 02	20.4	19.9	23.9	19.8	19.9	19.9	20.1
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	24.0	23.1	40.5	23.4	23.2	23.3	23.4
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.656	0.588	0.913	0.652	0.663	0.610	0.624
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.656	0.588	0.913	0.652	0.663	0.610	0.624
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.037	0.021	0.016	0.204	0.059	0.029	0.040
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	0.282	0.320	<0.263	<0.263	0.345	0.388
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.8	27.8	30.1	26.6	25.6	26.4	25.2
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.5	13.3	13.3	12.9	12.2	12.6	12.1
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.0	27.5	44.7	26.6	25.6	26.3	25.1
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.39	6.79	7.57	6.51	6.30	6.47	6.08
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.017	0.031	0.011	0.101	0.003	0.032	0.111
A	AQL	Turbidity	NTU	ALM 21	1.16	1.23	0.679	3.10	0.459	1.36	3.77
A	AQL	True Colour	mg/l Pt-Co	ALM 22	6.00	6.00	<5.00	5.00	8.00	9.00	6.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.26	-0.20	0.14	-0.16	-0.09	-0.17	-0.21

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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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: 247963
Project: Moqhaka Municipality

Date of report: 19 January 2026
Date accepted: 14 January 2026
Date completed: 16 January 2026
Date received: 14 January 2026

Lab no:					409638	409639	409640	409641
Date sampled:					12-Jan-26	13-Jan-26	13-Jan-26	12-Jan-26
Aquatico sampled:					Yes	Yes	Yes	Yes
Sample type:					Water	Water	Water	Water
Locality description:					Kroonheuwel Plat Reservoir	Kroonstad Selsoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
		Analyses		Unit	Method			
A	AQL	pH @ 25°C		pH	ALM 20	8.28	8.35	8.25	8.18
A	AQL	Electrical conductivity (EC) @ 25°C		mS/m	ALM 20	34.1	34.4	34.1	25.9
A	AQL	Total dissolved solids (TDS)		mg/l	ALM 26	197	195	194	139
A	AQL	Total Dissolved solids @ 180°C		mg/l	ALM 24	272	256	296	240
A	AQL	Total Alkalinity		mg $CaCO_3$/l	ALM 01	126	129	124	86.0
A	AQL	Chloride (Cl)		mg/l	ALM 02	20.3	20.2	20.3	20.1
A	AQL	Sulphate (SO_4)		mg/l	ALM 03	23.6	23.0	22.8	15.2
A	AQL	Nitrate (NO_3) as N		mg/l	ALM 06	0.607	0.597	0.577	0.243
A	AQL	Total oxidised nitrogen as N		mg/l	ALM 06	0.607	0.597	0.577	0.243
A	AQL	Ammonium (NH_4) as N		mg/l	ALM 05	0.023	0.037	0.026	0.224
A	AQL	Fluoride (F)		mg/l	ALM 08	<0.263	0.266	0.458	<0.263
A	AQL	Acid Soluble Calcium (Ca)		mg/l	ALMA 30	26.8	26.6	26.6	16.3
A	AQL	Acid Soluble Magnesium (Mg)		mg/l	ALMA 30	13.0	12.4	12.8	8.27
A	AQL	Acid Soluble Sodium (Na)		mg/l	ALMA 30	26.8	25.5	26.5	20.1
A	AQL	Acid Soluble Potassium (K)		mg/l	ALMA 30	6.60	6.19	6.46	5.15
A	AQL	Acid Soluble Aluminium (Al)		mg/l	ALMA 31	0.030	0.182	<0.003	0.003
A	AQL	Turbidity		NTU	ALM 21	1.46	7.62	0.737	3.91
A	AQL	True Colour		mg/l Pt-Co	ALM 22	5.00	7.00	5.00	8.00
A	AQL	Langelier Saturation Index		LSI	ALM 26	-0.18	-0.10	-0.21	-0.66

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ilac-MRA sanas Testing Laboratory T0685

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 247966
Project: Moqhaka Municipality

Date of report: 19 January 2026
Date accepted: 14 January 2026
Date completed: 16 January 2026
Date received: 14 January 2026

		Analyses	Unit	Method	Lab no: 409647	Lab no: 409648
		Date sampled:			12-Jan-26	12-Jan-26
		Aquatico sampled:			Yes	Yes
		Sample type:			Water	Water
		Locality description:			Kroonstad WTW Raw	Kroonstad WTW Final
A	AQL	pH @ 25°C	pH	ALM 20	8.36	8.35
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.8	34.0
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	195	207
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	300	282
A	AQL	Total Alkalinity	mg $CaCO_3$/l	ALM 01	132	134
A	AQL	Chloride (Cl)	mg/l	ALM 02	13.9	19.3
A	AQL	Sulphate (SO_4)	mg/l	ALM 03	23.7	24.7
A	AQL	Nitrate (NO_3) as N	mg/l	ALM 06	0.504	1.16
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.504	1.16
A	AQL	Ammonium (NH_4) as N	mg/l	ALM 05	0.083	0.018
A	AQL	Fluoride (F)	mg/l	ALM 08	0.388	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.5	27.7
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.2	13.4
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.6	27.7
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.51	6.75
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.413	0.011
A	AQL	Turbidity	NTU	ALM 21	64.2	0.668
A	AQL	True Colour	mg/l Pt-Co	ALM 22	29.0	7.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.07	-0.07

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