

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 255657
Project: Moqhaka Municipality

Date of report: 26 March 2026
Date accepted: 18 March 2026
Date completed: 25 March 2026
Date received: 18 March 2026

Lab no:	445443			
Date sampled:	17-Mar-26			
Aquatico sampled:	Yes			
Sample type:	Water			
Locality description:	Viljoenskroon WTW Raw			
	Analyses	Unit	Method	
A	AQL pH @ 25°C	pH	ALM 20	7.94
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.2
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	298
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	118
A	AQL Chloride (Cl)	mg/l	ALM 02	23.5
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	32.8
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.452
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.452
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.038
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	27.6
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	15.2
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.0
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.89
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.456
A	AQL Turbidity	NTU	ALM 21	74.0
A	AQL True Colour	mg/l Pt-Co	ALM 22	35.0
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.53

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

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Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 255651
Project: Moqhaka Municipality

Date of report: 27 March 2026
Date accepted: 18 March 2026
Date completed: 26 March 2026
Date received: 18 March 2026

Lab no:					445429	445430	445431	445432
Date sampled:					17-Mar-26	17-Mar-26	17-Mar-26	17-Mar-26
Aquatico sampled:					Yes	Yes	Yes	Yes
Sample type:					Water	Water	Water	Water
Locality description:					Viljoenskroon Municipal Offices	Viljoenskroon WTW Final	Viljoenskroon Community Hall	Viljoenskroon Renyakaletsi Pump Station
Analyses		Unit	Method					
A	AQL	pH @ 25°C	pH	ALM 20	7.95	7.82	7.87	7.85
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	36.8	35.8	36.4	36.3
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	252	254	248	270
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	115	110	114	124
A	AQL	Chloride (Cl)	mg/l	ALM 02	26.8	27.0	28.3	31.7
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	33.0	32.9	33.1	33.2
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.440	0.283	0.322	0.382
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.440	0.283	0.322	0.382
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.028	0.030	0.047	0.047
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	29.4	27.1	27.8	30.1
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.8	14.8	14.7	15.8
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.2	26.7	27.0	28.4
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	7.39	7.80	7.71	7.26
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.004	<0.003	0.004	<0.003
A	AQL	Turbidity	NTU	ALM 21	4.55	0.357	0.574	0.174
A	AQL	True Colour	mg/l Pt-Co	ALM 22	9.00	<5.00	<5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.49	-0.68	-0.60	-0.55

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