

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 229881
Project: Moqhaka Municipality

Date of report: 04 August 2025
Date accepted: 29 July 2025
Date completed: 04 August 2025
Date received: 29 July 2025

Lab no:	291810	291811
Date sampled:	29-Jul-25	29-Jul-25
Aquatico sampled:	Yes	Yes
Sample type:	Water	Water

Locality description:

Analyses	Unit	Method	Wijoenkroos	
			n BTW Raw	n BTW Final
A AQL pH @ 25°C	pH	ALM 20	8.07	8.13
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	41.6	42.1
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	278	284
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 03	157	157
A AQL Chloride (Cl)	mg/l	ALM 02	24.3	25.0
A AQL Sulphate (SO ₄)	mg/l	ALM 03	30.6	31.4
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.543	0.619
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.543	0.619
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.046	0.084
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALM4 30	33.7	33.3
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALM4 30	17.3	17.7
A AQL Acid Soluble Sodium (Na)	mg/l	ALM4 30	26.5	27.1
A AQL Acid Soluble Potassium (K)	mg/l	ALM4 30	9.15	9.27
A AQL Acid Soluble Aluminium (Al)	mg/l	ALM4 31	0.075	0.047
A AQL Turbidity	NTU	ALM 23	20.7	1.68
A AQL True Colour	mg/l Pt-Co	ALM 22	5.90	<2.00
A AQL Langelier Saturation Index	LSI	ALM 24	-0.26	-0.22

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NKTD = Not able to determine RTX = 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 the 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; This 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: 229878
Project: Moqhaka Municipality

Date of report: 04 August 2025
Date accepted: 29 July 2025
Date completed: 04 August 2025
Date received: 29 July 2025

Lab no:	291803	291804	291805
Date sampled:	29-Jul-25	29-Jul-25	29-Jul-25
Aquatico sampled:	Yes	Yes	Yes
Sample type:	Water	Water	Water
Locality description:	Viljoenskroon Municipal Offices	Viljoenskroon Community Hall	Viljoenskroon Renyakaletsli Pump Station
Analyses	Unit	Method	
A AQL pH @ 25°C	pH	ALM 20	8.27 8.21 8.31
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	42.3 42.3 41.3
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	340 318 274
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	150 151 150
A AQL Chloride (Cl)	mg/l	ALM 02	26.7 26.1 27.0
A AQL Sulphate (SO ₄)	mg/l	ALM 03	30.8 30.9 30.4
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.545 0.558 0.480
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.545 0.558 0.480
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.017 0.020 0.029
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	34.2 34.2 33.1
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	17.6 17.6 16.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.7 27.5 27.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.06 5.17 5.13
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.006 0.017 0.007
A AQL Turbidity	NTU	ALM 21	0.421 1.19 0.543
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00 <5.00 5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.08 -0.14 -0.05

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