

Test Report

Page 1 of 1

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 231427
Project: Moqhaka Municipality

Date of report: 18 August 2025
Date accepted: 13 August 2025
Date completed: 18 August 2025
Date received: 13 August 2025

Lab no:				299510	299509	299508
Date sampled:				13-Aug-25	13-Aug-25	13-Aug-25
Aquatiko sampled:				Yes	Yes	Yes
Sample type:				Water	Water	Water
Locality description:				Viljoenskroon Renyakalets Pump Station	Viljoenskroon Community Hall	Viljoenskroon Municipal Offices
Analyses	Unit	Method				
A AQL pH @ 25°C	pH	ALM 20	8.05	8.19	8.22	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	46.6	46.5	46.7	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	290	296	276	
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	189	183	188	
A AQL Chloride (Cl)	mg/l	ALM 02	30.3	31.2	29.4	
A AQL Sulphate (SO ₄)	mg/l	ALM 03	35.3	33.4	33.9	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.802	0.686	0.680	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.802	0.686	0.680	
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.043	0.024	0.032	
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	39.9	37.0	37.7	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	19.0	18.5	18.6	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.6	31.2	31.4	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.97	4.83	4.89	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.002	<0.002	<0.002	
A AQL Turbidity	NTU	ALM 21	0.456	0.672	0.340	
A AQL True Colour	mg/l Pt-Co	ALM 22	5.00	<5.00	<5.00	
A AQL Langelier Saturation Index	LSI	ALM 26	-0.09	0.00	0.06	

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

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Test Report

Page 1 of 1

Client: Moshaka Local Municipality
Address: Moshaka Municipality, Hill Street, Knoxstad
Report no: 231432
Project: Moshaka Municipality

Date of report: 18 August 2025
Date accepted: 13 August 2025
Date completed: 18 August 2025
Date received: 13 August 2025

Lab no: 2999/28
Date sampled: 13 Aug 25
Aquatico sampled: Yes
Sample type: Water

Locality description: Viljoenskroon W/TW Final

	Analyses	Unit	Method	
A	AQL pH @ 25°C	pH	ALM 20	8.26
A	AQL Electrical conductivity (EC) @ 25°C	ms/m	ALM 20	48.7
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	296
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	192
A	AQL Chloride (Cl)	mg/l	ALM 02	35.0
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	31.3
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.765
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.765
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.018
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	38.2
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	18.6
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	34.7
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.91
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.002
A	AQL Turbidity	NTU	ALM 21	0.630
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00
A	AQL Langelier Saturation Index	LSI	ALM 26	0.11

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