

## Test Report

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 228405  
**Project:** Moqhaka Municipality

**Date of report:** 22 July 2025  
**Date accepted:** 16 July 2025  
**Date completed:** 22 July 2025  
**Date received:** 16 July 2025

Lab no:					284704	284705	284706
Date sampled:					15-Jul-25	15-Jul-25	15-Jul-25
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	8.24	8.25	8.15
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	39.8	39.8	39.6
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	244	258	270
A	AQL	Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	149	126	155
A	AQL	Chloride (Cl)	mg/l	ALM 02	25.8	25.5	16.7
A	AQL	Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	27.6	25.5	28.9
A	AQL	Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.931	0.661	0.706
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.931	0.661	0.706
A	AQL	Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.027	0.018	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	33.5	28.2	29.9
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.9	15.2	15.9
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	24.9	25.1	25.9
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	4.58	4.73	4.93
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.051	0.055	0.046
A	AQL	Turbidity	NTU	ALM 21	0.376	0.813	0.434
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	-0.22	-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; 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**

Client: Moqhaka Local Municipality  
 Address: Moqhaka Municipality, Hill Street, Kroonstad  
 Report no: 228402  
 Project: Moqhaka Municipality

Date of report: 22 July 2025  
 Date accepted: 16 July 2025  
 Date completed: 22 July 2025  
 Date received: 16 July 2025

Lab no:		284687	284688
Date sampled:		15-Jul-25	15-Jul-25
Aquatiko 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	8.31 8.28
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	37.9 38.3
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	248 266
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	147 142
A AQL Chloride (Cl)	mg/l	ALM 02	20.1 22.1
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	27.2 26.9
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	3.29 0.607
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	3.29 0.607
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.015 0.022
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	34.9 28.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	18.3 15.6
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.3 23.5
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.72 3.83
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.372 0.025
A AQL Turbidity	NTU	ALM 21	44.5 0.781
A AQL True Colour	mg/l Pt-Co	ALM 22	31.0 10.0
A AQL Langelier Saturation Index	LSI	ALM 26	0.00 -0.13

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