

**Test Report**

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Client: Mqhasha Local Municipality  
 Address: Mqhasha Municipality, Hill Street, Kroonstad  
 Report no: 247968  
 Project: Mqhasha Municipality

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

Lab no:				409651	409652
Date sampled:				13-Jan-26	13-Jan-26
Aquatico 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	8.42	8.37	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.8	33.6	
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	194	195	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	266	270	
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	117	112	
A AQL Chloride (Cl)	mg/l	ALM 02	21.9	27.0	
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	29.0	28.2	
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.271	0.322	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.271	0.322	
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.038	0.029	
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	26.7	26.2	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.3	13.9	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	24.7	24.8	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.04	4.94	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.502	0.008	
A AQL Turbidity	NTU	ALM 21	78.6	1.01	
A AQL True Colour	mg/l Pt-Co	ALM 22	29.0	7.00	
A AQL Langelier Saturation Index	LSI	ALM 25	-0.07	-0.15	

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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**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 247965  
**Project:** Moqhaka Municipality

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

<b>Lab no:</b>		409646		
<b>Date sampled:</b>		13-Jan-26		
<b>Aquatico sampled:</b>		Yes		
<b>Sample type:</b>		Water		
<b>Locality description:</b>		Viljoenskroon Renyakaletsi Pump Station		
	Analyses	Unit	Method	
A	AQL pH @ 25°C	pH	ALM 20	8.36
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.7
A	AQL Total dissolved solids (TDS)	mg/l	ALM 26	190
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	266
A	AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	110
A	AQL Chloride (Cl)	mg/l	ALM 02	25.1
A	AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	27.2
A	AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.526
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.526
A	AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.026
A	AQL Fluoride (F)	mg/l	ALM 08	0.337
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	25.3
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.4
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	24.3
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.87
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.006
A	AQL Turbidity	NTU	ALM 21	0.429
A	AQL True Colour	mg/l Pt-Co	ALM 22	13.0
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.17

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