

**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 253864  
**Project:** Moqhaka Municipality

**Date of report:** 09 March 2026  
**Date accepted:** 04 March 2026  
**Date completed:** 09 March 2026  
**Date received:** 04 March 2026

Lab no:	436354	436355	436356
Date sampled:	03-Mar-26	03-Mar-26	03-Mar-26
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	8.11 8.17 8.00
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	43.9 44.5 44.4
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	268 244 284
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	150 159 165
A AQL Chloride (Cl)	mg/l	ALM 02	30.7 30.6 31.6
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	30.5 32.2 31.3
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.484 0.476 0.494
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.484 0.476 0.494
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.029 0.022 0.015
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	34.5 39.1 38.4
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	19.5 20.0 20.3
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	33.9 34.0 34.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.69 5.80 5.90
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.003 <0.003 <0.003
A AQL Turbidity	NTU	ALM 21	0.297 0.308 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	-0.16 -0.02 -0.19

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:** 253867  
**Project:** Moqhaka Municipality

**Date of report:** 09 March 2026  
**Date accepted:** 04 March 2026  
**Date completed:** 09 March 2026  
**Date received:** 04 March 2026

Lab no:					436361	436362
<b>Date sampled:</b>					03-Mar-26	03-Mar-26
<b>Aquatico sampled:</b>					Yes	Yes
<b>Sample type:</b>					Water	Water
<b>Locality description:</b>					Viljoenskroon WTW Raw	Viljoenskroon WTW Final
Analyses			Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.30	8.00
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	43.5	44.3
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	278	274
A	AQL	Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	156	146
A	AQL	Chloride (Cl)	mg/l	ALM 02	27.6	33.5
A	AQL	Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	33.1	32.9
A	AQL	Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.429	0.456
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.429	0.456
A	AQL	Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.053	0.306
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	33.1	33.3
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	20.1	20.4
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	33.4	33.5
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	5.78	5.81
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.126	<0.003
A	AQL	Turbidity	NTU	ALM 21	30.3	0.467
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	0.02	-0.30

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