

**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 255656  
**Project:** Moqhaka Municipality

**Date of report:** 26 March 2026  
**Date accepted:** 18 March 2026  
**Date completed:** 25 March 2026  
**Date received:** 18 March 2026

Lab no:					445441	445442
Date sampled:					16-Mar-26	16-Mar-26
Aquatico sampled:					Yes	Yes
Sample type:					Water	Water
Locality description:					Steynsrus WTW Raw	Steynsrus WTW Final
Analyses				Unit	Method	
A	AQL	pH @ 25°C		pH	ALM 20	7.78 8.01
A	AQL	Electrical conductivity (EC) @ 25°C		mS/m	ALM 20	27.1 28.3
A	AQL	Total Dissolved solids @ 180°C		mg/l	ALM 24	212 206
A	AQL	Total Alkalinity		mg CaCO <sub>3</sub> /l	ALM 01	130 112
A	AQL	Chloride (Cl)		mg/l	ALM 02	10.1 14.0
A	AQL	Sulphate (SO <sub>4</sub> )		mg/l	ALM 03	13.1 12.7
A	AQL	Nitrate (NO <sub>3</sub> ) as N		mg/l	ALM 06	<0.194 <0.194
A	AQL	Total oxidised nitrogen as N		mg/l	ALM 06	<0.194 <0.194
A	AQL	Ammonium (NH <sub>4</sub> ) as N		mg/l	ALM 05	0.071 0.040
A	AQL	Fluoride (F)		mg/l	ALM 08	<0.263 <0.263
A	AQL	Acid Soluble Calcium (Ca)		mg/l	ALMA 30	20.6 21.7
A	AQL	Acid Soluble Magnesium (Mg)		mg/l	ALMA 30	13.6 13.6
A	AQL	Acid Soluble Sodium (Na)		mg/l	ALMA 30	17.6 18.2
A	AQL	Acid Soluble Potassium (K)		mg/l	ALMA 30	8.10 8.10
A	AQL	Acid Soluble Aluminium (Al)		mg/l	ALMA 31	0.169 0.015
A	AQL	Turbidity		NTU	ALM 21	14.0 0.329
A	AQL	True Colour		mg/l Pt-Co	ALM 22	43.0 16.0
A	AQL	Langelier Saturation Index		LSI	ALM 26	-0.76 -0.57

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:** 255650  
**Project:** Moqhaka Municipality

**Date of report:** 27 March 2026  
**Date accepted:** 18 March 2026  
**Date completed:** 26 March 2026  
**Date received:** 18 March 2026

Lab no:				445425	445426	445427	445428
Date sampled:				16-Mar-26	16-Mar-26	16-Mar-26	16-Mar-26
Aquatico sampled:				Yes	Yes	Yes	Yes
Sample type:				Water	Water	Water	Water
Locality description:				Steynsrus Fouche Reservoir	Steynsrus Municipal Offices	Steynsrus Matlwangtlwang Res	Steynsrus Mantlwang Communal Tap
Analyses	Unit	Method					
A AQL pH @ 25°C	pH	ALM 20	8.03	8.02	8.06	8.13	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	29.5	29.9	30.2	29.5	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	202	200	206	208	
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	112	123	121	130	
A AQL Chloride (Cl)	mg/l	ALM 02	16.1	15.1	14.9	15.0	
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	13.3	13.4	14.7	13.7	
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.220	<0.194	0.213	<0.194	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.220	<0.194	0.213	<0.194	
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.032	0.035	1.23	0.032	
A AQL Fluoride (F)	mg/l	ALM 08	0.370	<0.263	<0.263	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.0	23.2	23.5	23.1	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.7	13.9	14.2	14.0	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	18.6	18.8	19.5	19.0	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	8.02	8.14	8.23	8.21	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.018	0.019	0.019	0.013	
A AQL Turbidity	NTU	ALM 21	0.360	0.421	0.346	0.679	
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	7.00	7.00	9.00	
A AQL Langelier Saturation Index	LSI	ALM 26	-0.52	-0.49	-0.45	-0.35	

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