

Test Report

Page 1 of 1

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 230528
Project: Moqhaka Municipality

Date of report: 14 August 2025
Date accepted: 06 August 2025
Date completed: 12 August 2025
Date received: 06 August 2025

Lab no:	295391	295392	295393	295394		
Date sampled:	04-Aug-25	04-Aug-25	04-Aug-25	04-Aug-25		
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	8.15	8.14	8.13	8.16
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	27.1	27.0	27.1	26.9
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	148	190	206	204
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	127	127	109	110
A AQL Chloride (Cl)	mg/l	ALM 02	13.3	13.3	13.1	12.9
A AQL Sulphate (SO ₄)	mg/l	ALM 03	13.6	10.9	13.8	13.9
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	<0.194	<0.194	<0.194	<0.194
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.029	0.030	0.026	0.022
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	26.4	22.3	21.9	21.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	14.5	14.5	12.8	12.4
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	14.5	14.5	14.4	14.2
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.70	5.85	5.96	5.79
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.040	0.038	0.041	0.043
A AQL Turbidity	NTU	ALM 21	5.93	0.682	0.874	0.420
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	7.00	10.0	7.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.36	-0.44	-0.52	-0.49

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: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 230537
 Project: Moqhaka Municipality

 Date of report: 12 August 2025
 Date accepted: 06 August 2025
 Date completed: 12 August 2025
 Date received: 06 August 2025

Lab no:		295451	295452
Date sampled:		04-Aug-25	04-Aug-25
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	8.17 8.13
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.8 26.2
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	204 204
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	128 118
A AQL Chloride (Cl)	mg/l	ALM 02	8.01 10.8
A AQL Sulphate (SO ₄)	mg/l	ALM 03	13.4 12.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	1.49 0.309
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	1.49 0.309
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.035 0.052
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	21.6 20.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.6 12.2
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	14.2 14.0
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.83 5.72
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.241 0.050
A AQL Turbidity	NTU	ALM 21	55.6 0.473
A AQL True Colour	mg/l Pt-Co	ALM 22	46.0 14.0
A AQL Langelier Saturation Index	LSI	ALM 26	-0.43 -0.53

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