

Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 229165
Project: Moqhaka Municipality

Date of report: 29 July 2025
Date accepted: 23 July 2025
Date completed: 29 July 2025
Date received: 23 July 2025

Lab no:				288401	288402	288403	288404
Date sampled:				21-Jul-25	21-Jul-25	21-Jul-25	21-Jul-25
Aquatco 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	8.05	8.07	8.07	8.05
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.2	25.1	26.1	25.4
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	196	188	214	220
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	87.2	86.5	99.2	91.5
A	AQL Chloride (Cl)	mg/l	ALM 02	15.7	16.1	9.51	14.1
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	13.1	14.4	13.2	13.8
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.317	0.302	0.307	0.427
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.317	0.302	0.307	0.427
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.020	0.019	0.016	0.014
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	20.0	19.7	20.5	20.5
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.3	11.1	11.3	11.3
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	13.3	13.4	13.4	13.1
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.53	6.46	6.56	6.60
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.050	0.038	0.049	0.118
A	AQL Turbidity	NTU	ALM 21	0.696	0.483	0.368	2.18
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.73	-0.72	-0.65	-0.71

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested KTF = 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

M. Swanson
 Technical Signatory

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 229169
Project: Moqhaka Municipality

Date of report: 29 July 2025
Date accepted: 23 July 2025
Date completed: 29 July 2025
Date received: 23 July 2025

Lab no:		288424	288425
Date sampled:		21-Jul-25	21-Jul-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	8.01 8.06
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	24.2 24.9
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	168 188
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	101 100
A AQL Chloride (Cl)	mg/l	ALM 02	10.3 15.2
A AQL Sulphate (SO ₄)	mg/l	ALM 03	13.0 14.5
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.283 0.349
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.283 0.349
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.051 0.024
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	21.7 22.4
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.3 13.0
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	14.2 14.6
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.57 6.46
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.332 0.056
A AQL Turbidity	NTU	ALM 21	70.4 0.358
A AQL True Colour	mg/l Pt-Co	ALM 22	31.0 <5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.67 -0.60

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