

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 231426
Project: Moqhaka Municipality

Date of report: 18 August 2025
Date accepted: 13 August 2025
Date completed: 18 August 2025
Date received: 13 August 2025

Lab no:	299507	299506	299505	299504		
Date sampled:	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25		
Aquatico sampled:	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water		
Locality description:	Steynsrus Mantlwang Communal Tap	Steynsrus Matlwangtl wang Res	Steynsrus Municipal Offices	Steynsrus Fouche Reservoir		
Analyses	Unit	Method				
A AQL pH @ 25°C	pH	ALM 20	8.23	8.23	8.18	8.24
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	28.4	28.5	28.5	28.6
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	170	200	196	158
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	129	137	126	130
A AQL Chloride (Cl)	mg/l	ALM 02	13.7	13.9	14.8	14.7
A AQL Sulphate (SO ₄)	mg/l	ALM 03	15.1	13.7	15.2	13.5
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.194	0.324	0.410	0.354
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.194	0.324	0.410	0.354
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.018	0.018	0.016	0.015
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	24.5	24.9	22.0	26.3
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.2	14.3	15.1	12.3
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	15.4	15.1	15.0	15.2
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.68	5.78	5.73	5.67
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.049	0.046	0.037	0.048
A AQL Turbidity	NTU	ALM 21	0.394	0.679	0.416	0.608
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	-0.26	-0.24	-0.38	-0.22

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

M. Swanepoel
 Technical Signatory

AQL 89 Regency Drive, R21 Corporate Park, Centurion, South Africa
 AQB 28 Karee ave, Kathu, Northern Cape, South Africa

Tel: +27 12 450 3800
 Tel: +27 53 880 0208

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Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 231431
Project: Moqhaka Municipality

Date of report: 18 August 2025
Date accepted: 13 August 2025
Date completed: 18 August 2025
Date received: 13 August 2025

Lab no:					299523	299522		
Date sampled:					12-Aug-25	12-Aug-25		
Aquatico sampled:					Yes	Yes		
Sample type:					Water	Water		
Locality description:					Steynsrus WTW Final	Steynsrus WTW Raw		
Analyses					Uncertainty of measurement %	SANS 241-1:2015		
		Unit	Method					
A	AQL	pH @ 25°C	pH	ALM 20	2.33	5 - 9.7	8.48	8.18
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	4.92	< 170	36.1	27.1
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26			129	157
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	9.42	< 1200	228	202
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	6.06		NATD	127
A	AQL	Chloride (Cl)	mg/l	ALM 02	7.57	< 300	38.9	8.70
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	8.45	< 500	16.3	16.0
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	9.46	< 11	0.238	<0.194
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	9.46		0.238	<0.194
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	8.46	< 1.5	<0.008	0.025
A	AQL	Fluoride (F)	mg/l	ALM 08	9.76	< 1.5	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	8.78		34.6	20.7
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	7.54		12.8	12.5
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	7.96	< 200	19.9	14.5
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	12.05		5.77	5.86
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	7.08	< 0.3	0.039	0.270
A	AQL	Turbidity	NTU	ALM 21	5.9	< 1	0.994	38.7
A	AQL	Total hardness	mg CaCO ₃ /l	ALM 26			139	103
A	AQL	True Colour	mg/l Pt-Co	ALM 22	8.74	< 15	<5.00	29.0
A	AQL	Langeller Saturation Index	LSI	ALM 26			NATD	-0.40

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