

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 246941
Project: Moqhaka Municipality

Date of report: 05 January 2026
Date accepted: 23 December 2025
Date completed: 05 January 2026
Date received: 23 December 2025

Lab no:	404812	404813	404814	404815		
Date sampled:	22-Dec-25	22-Dec-25	22-Dec-25	22-Dec-25		
Aquatico sampled:	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water		
Locality description:	Steynsrus Fouche Reservoir	Steynsrus Municipal Offices	Steynsrus Matlwangtl wang Res	Steynsrus Mantlwang Communal Tap		
Analyses	Unit	Method				
A AQL pH @ 25°C	pH	ALM 20	8.24	8.48	8.25	8.31
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.2	34.8	34.9	34.6
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	208	211	206	214
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	240	210	206	248
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	151	151	148	164
A AQL Chloride (Cl)	mg/l	ALM 02	16.5	17.2	15.9	15.8
A AQL Sulphate (SO ₄)	mg/l	ALM 03	20.7	22.1	21.4	21.6
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.327	0.327	0.269	0.291
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.327	0.327	0.269	0.291
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.045	0.030	0.034	0.036
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	0.325	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	28.5	28.5	28.1	28.2
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	17.5	17.6	17.4	16.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	24.2	24.0	23.8	23.5
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.14	7.22	7.17	7.17
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.086	0.081	0.062	0.060
A AQL Turbidity	NTU	ALM 21	0.659	0.450	0.763	0.497
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	-0.11	0.14	-0.11	-0.01

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ATR: Alternative Test Report 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
 AQC 28 Karee ave, Kathu, Northern Cape, South Africa

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

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Test Report

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 246938
Project: Moqhaka Municipality

Date of report: 05 January 2026
Date accepted: 23 December 2025
Date completed: 05 January 2026
Date received: 23 December 2025

Lab no:				Uncertainty of measurement %	SANS 241-1:2015	404797	404798
Date sampled:						22-Dec-25	22-Dec-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	2.33	5 - 9.7	8.08	8.52	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	4.92	< 170	33.7	39.8	
A AQL Total dissolved solids (TDS)	mg/l	ALM 26			213	215	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	9.42	< 1200	210	264	
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	6.06		162	158	
A AQL Chloride (Cl)	mg/l	ALM 02	7.57	< 300	11.0	14.1	
A AQL Sulphate (SO ₄)	mg/l	ALM 03	8.45	< 500	21.3	21.1	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	9.46	< 11	0.276	0.273	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	9.46		0.276	0.273	
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	8.46	< 1.5	0.094	0.042	
A AQL Fluoride (F)	mg/l	ALM 08	9.76	< 1.5	<0.263	0.345	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	8.78		29.0	29.7	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	7.54		18.4	18.5	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	7.96	< 200	25.0	25.7	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	12.05		7.56	7.63	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	7.08	< 0.3	0.043	0.128	
A AQL Turbidity	NTU	ALM 21	5.9	< 1	4.29	0.621	
A AQL True Colour	mg/l Pt-Co	ALM 22	8.74	< 15	18.0	<5.00	
A AQL Langelier Saturation Index	LSI	ALM 26			-0.23	0.21	

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