

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 246111
Project: Moqhaka Municipality

Date of report: 24 December 2025
Date accepted: 17 December 2025
Date completed: 24 December 2025
Date received: 17 December 2025

Lab no:				400821	400822	
Date sampled:				16-Dec-25	16-Dec-25	
Aquatico sampled:				Yes	Yes	
Sample type:				Water	Water	
Locality description:				Viljoenskroon WTW Raw	Viljoenskroon WTW Final	
Analyses			Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.01	8.17
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.0	36.7
A	AQL	Total dissolved solids (TDS)	mg/l	ALM 26	206	193
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	270	258
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	120	99.3
A	AQL	Chloride (Cl)	mg/l	ALM 02	26.6	30.0
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	26.8	25.7
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.730	0.682
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.730	0.682
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.054	0.120
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.5	22.9
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	13.2	12.6
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.7	31.0
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.96	6.83
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.449	<0.003
A	AQL	Turbidity	NTU	ALM 21	107	0.749
A	AQL	True Colour	mg/l Pt-Co	ALM 22	36.0	7.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.52	-0.45

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

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 246107
Project: Moqhaka Municipality

Date of report: 24 December 2025
Date accepted: 17 December 2025
Date completed: 24 December 2025
Date received: 17 December 2025

Lab no:	400808	400809	400810
Date sampled:	16-Dec-25	16-Dec-25	16-Dec-25
Aquatico sampled:	Yes	Yes	Yes
Sample type:	Water	Water	Water
Locality description:	Viljoenskroon Municipal Offices	Viljoenskroon Community Hall	Viljoenskroon Renyakaletsi Pump Station
Analyses	Unit	Method	
A AQL pH @ 25°C	pH	ALM 20	8.07 7.74 8.23
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	36.4 40.8 32.7
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	202 201 179
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	276 268 202
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	107 107 92.9
A AQL Chloride (Cl)	mg/l	ALM 02	32.0 31.1 30.1
A AQL Sulphate (SO ₄)	mg/l	ALM 03	24.5 25.6 23.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.589 0.572 0.539
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.589 0.572 0.539
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.020 0.028 0.018
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.3 23.8 19.3
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.8 12.8 10.1
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	33.4 33.0 30.1
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.07 6.98 7.05
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.003 <0.003 <0.003
A AQL Turbidity	NTU	ALM 21	0.526 1.31 0.418
A AQL True Colour	mg/l Pt-Co	ALM 22	12.0 11.0 12.0
A AQL Langeller Saturation Index	LSI	ALM 26	-0.52 -0.86 -0.49

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