

Test Report

Page 1 of 1

Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 229166
Project: Moqhaka Municipality

Date of report: 31 July 2025
Date accepted: 23 July 2025
Date completed: 31 July 2025
Date received: 23 July 2025

Lab no:	288405	288406	288407
Date sampled:	22-Jul-25	22-Jul-25	22-Jul-25
Aquatico sampled:	Yes	Yes	Yes
Sample type:	Water	Water	Water
Locality description:	Viljoenskroon Municipal Offices	Viljoenskroon Community Hall	Viljoenskroon Renyakalets Pump Station
Analyses	Unit	Method	
A AQL pH @ 25°C	pH	ALM 20	8.36 8.36 8.26
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	41.1 41.7 39.4
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	240 254 250
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	140 145 152
A AQL Chloride (Cl)	mg/l	ALM 02	28.7 31.2 23.9
A AQL Sulphate (SO ₄)	mg/l	ALM 03	27.0 29.9 27.2
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.540 0.517 0.572
A AQL Total oxidised nitrogen as N	mg/l	ALM 05	0.540 0.517 0.572
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.013 0.011 0.233
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	32.7 32.2 35.0
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	16.8 16.8 18.7
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.1 30.9 29.8
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.61 5.57 5.80
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.007 0.012 0.003
A AQL Turbidity	NTU	ALM 21	0.534 0.539 0.457
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00 <5.00 <5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.01 -0.01 -0.05

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: 229170
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:				288426	288427
Date sampled:				22-Jul-25	22-Jul-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	8.37	8.35	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	39.5	41.7	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	280	290	
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	157	155	
A AQL Chloride (Cl)	mg/l	ALM 02	25.6	31.9	
A AQL Sulphate (SO ₄)	mg/l	ALM 03	30.5	25.4	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.537	0.647	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.537	0.647	
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.032	0.011	
A AQL Fluoride (F)	mg/l	ALM 08	0.324	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	35.9	34.7	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	19.2	18.7	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	28.4	32.7	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.78	5.63	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.105	0.015	
A AQL Turbidity	NTU	ALM 21	25.7	0.671	
A AQL True Colour	mg/l Pt-Co	ALM 22	9.00	<5.00	
A AQL Langelier Saturation Index	LSI	ALM 26	0.08	0.05	

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