

Test Report

Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 230529
 Project: Moqhaka Municipality

Date of report: 14 August 2025
 Date accepted: 06 August 2025
 Date completed: 12 August 2025
 Date received: 06 August 2025

Lab no:	295395	295396	295397
Date sampled:	05-Aug-25	05-Aug-25	05-Aug-25
Aquatiko 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	8.15 8.13 8.09
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	44.0 43.2 42.8
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	264 300 288
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	172 178 165
A AQL Chloride (Cl)	mg/l	ALM 02	30.7 29.3 27.7
A AQL Sulphate (SO ₄)	mg/l	ALM 03	29.9 29.4 29.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.490 0.580 0.531
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.490 0.580 0.531
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.019 0.017 0.032
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	35.3 35.5 34.0
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	17.8 18.2 17.5
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.8 28.2 26.7
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.96 5.03 5.03
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.002 <0.002 <0.002
A AQL Turbidity	NTU	ALM 21	0.395 0.777 0.256
A AQL True Colour	mg/l Pt-Co	ALM 22	6.00 6.00 12.0
A AQL Langelier Saturation Index	LSI	ALM 26	-0.12 -0.12 -0.21

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

Test Report Page 1 of 1

Client: Moqhaka Local Municipality Address: Moqhaka Municipality, Hill Street, Kroonstad Report no: 230538 Project: Moqhaka Municipality	Date of report: 12 August 2025 Date accepted: 06 August 2025 Date completed: 12 August 2025 Date received: 06 August 2025
---	--

Lab no:	295453	295454			
Date sampled:	05-Aug-25	05-Aug-25			
Aquatiko 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	7.97	8.05	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	43.4	44.2	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	288	306	
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	179	174	
A AQL Chloride (Cl)	mg/l	ALM 02	27.2	30.2	
A AQL Sulphate (SO ₄)	mg/l	ALM 03	30.6	29.8	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.705	0.820	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.705	0.820	
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.039	0.038	
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.430	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	36.9	36.7	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	18.7	18.6	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	27.8	29.1	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.02	4.98	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.088	0.038	
A AQL Turbidity	NTU	ALM 21	26.7	1.46	
A AQL True Colour	mg/l Pt-Co	ALM 22	19.0	7.00	
A AQL Langelier Saturation Index	LSI	ALM 26	-0.26	-0.21	

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	39 Regency Drive, R21 Corporate Park, Centurion, South Africa	Tel: +27 12 450 3800	www.aquatiko.co.za
AQK	28 Karee ave, Kathu, Northern Cape, South Africa	Tel: +27 53 880 0208	www.aquatiko.co.za