

Test Report

Page 1 of 1

Client: Mqhaka Local Municipality
Address: Mqhaka Municipality, Hill Street, Kroonstad
Report no: 232877
Project: Mqhaka Municipality

Date of report: 03 September 2025
Date accepted: 27 August 2025
Date completed: 03 September 2025
Date received: 27 August 2025

Lab no:	306554	306553	306552
Date sampled:	26-Aug-25	26-Aug-25	26-Aug-25
Aquatiko sampled:	Yes	Yes	Yes
Sample type:	Water	Water	Water
Locality description:	Viljoenskroon Renyakaletsi Pump Station	Viljoenskroon Community Hall	Viljoenskroon Municipal Offices
Analyses	Unit	Method	
A AQL pH @ 25°C	pH	ALM 20	8.30 8.28 8.26
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	50.6 50.5 50.6
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	314 316 302
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	203 203 202
A AQL Chloride (Cl)	mg/l	ALM 02	33.8 33.3 33.0
A AQL Sulphate (SO ₄)	mg/l	ALM 03	38.0 37.4 37.2
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	2.61 2.28 2.07
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	2.61 2.28 2.07
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.015 0.012 0.013
A AQL Fluoride (F)	mg/l	ALM 08	<0.263 <0.263 <0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	41.4 41.8 42.6
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	22.0 22.4 22.5
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	37.5 38.0 38.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.49 4.56 4.62
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.026 0.037 0.035
A AQL Turbidity	NTU	ALM 21	0.630 0.703 0.661
A AQL True Colour	mg/l Pt-Co	ALM 22	10.0 7.00 10.0
A AQL Langelier Saturation Index	LSI	ALM 26	0.25 0.23 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
 AQK 28 Karee ave, Kathu, Northern Cape, South Africa

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

www.aquatiko.co.za
 www.aquatiko.co.za

Test Report

Page 1 of 1

Client: Mophaka Local Municipality
 Address: Mophaka Municipality, Hill Street, Kroonstad
 Report no: 232880
 Project: Mophaka Municipality

Date of report: 02 September 2025
 Date accepted: 27 August 2025
 Date completed: 02 September 2025
 Date received: 27 August 2025

Lab no	Brand	Model		
Date sampled:	28-Aug-25	28-Aug-25		
Aquatico sampler:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Vloemkroos x 9776 Final	Vloemkroos x 9776 Raw		
Analysis	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	8.26	8.21
A AQL Electrical conductivity (EC) @ 25°C	µS/cm	ALM 20	11.2	48.5
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	112	306
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	212	213
A AQL Chloride (Cl)	mg/l	ALM 02	35.3	30.7
A AQL Sulphate (SO ₄)	mg/l	ALM 03	40.5	35.8
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.681	0.658
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.681	0.658
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.251	0.077
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	44.1	42.8
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	21.5	22.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	36.9	36.3
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.27	4.71
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.040	0.078
A AQL Turbidity	NTU	ALM 21	0.851	13.2
A AQL True Colour	mg/l Pt-Co	ALM 22	6.00	20.0
A AQL Langelier Saturation Index	LSI	ALM 26	0.25	0.19

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NATO = 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

011 800 Regency Drive, 621 Corporate Park, Centurion, South Africa
 29 Enoch Ave, Kalkb., Northern Cape, South Africa

Tel: +27 12 450 3500
 Tel: +27 51 880 0208

www.aquatico.co.za
 www.aquatico.co.za