

Test Report

Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 232875
 Project: Moqhaka Municipality

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

Lab no:	306547	306546	306545	306544	306543	306542	306541		
Date sampled:	26-Aug-25	26-Aug-25	25-Aug-25	25-Aug-25	25-Aug-25	25-Aug-25	26-Aug-25		
Aquatiko sampled:	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water	Water	Water	Water		
Locality description:	Kroonstad Bhopelong Clinic	Kroonstad Selsoville Clinic	Kroonheuwe I Plat Reservoir	Kroonstad Panorama Centre	Kroonstad Suidrand Reservoir	Kroonstad Correctional Gate	Kroonstad Brent Park Clinic		
Analyses	Unit	Method							
A AQL pH @ 25°C	pH	ALM 20	7.80	7.93	8.07	7.83	8.05	8.04	8.24
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.2	33.5	33.0	33.6	33.3	36.2	34.3
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	218	214	226	218	222	226	238
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	116	116	99.7	114	116	134	130
A AQL Chloride (Cl)	mg/l	ALM 02	20.8	21.1	21.4	21.6	21.6	22.1	21.1
A AQL Sulphate (SO ₄)	mg/l	ALM 03	27.0	26.7	26.2	17.5	24.9	30.2	23.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.575	0.581	3.25	0.651	0.595	0.734	0.888
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.575	0.581	3.25	0.651	0.595	0.734	0.888
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.017	0.023	0.028	0.018	0.022	0.023	0.011
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.9	24.6	23.0	23.7	23.0	25.5	26.2
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.3	12.2	12.0	12.2	11.8	12.7	14.1
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	28.4	28.3	27.6	28.1	26.7	31.5	27.9
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.05	5.97	5.85	5.99	5.65	6.19	5.82
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.030	0.082	0.042	0.042	0.029	0.035	0.081
A AQL Turbidity	NTU	ALM 21	0.971	2.27	1.46	1.40	0.831	1.06	2.74
A AQL True Colour	mg/l Pt-Co	ALM 22	11.0	10.0	10.0	16.0	12.0	10.0	7.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.72	-0.57	-0.53	-0.69	-0.48	-0.39	-0.19

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 Karsens 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: Mqohaka Local Municipality
 Address: Mqohaka Municipality, Hill Street, Kroonstad
 Report no: 232878
 Project: Mqohaka Municipality

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

Lab no:	306556	306555		
Date sampled:	26-Aug-25	26-Aug-25		
Aquatico sampled:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Kroonstad WTW Final	Kroonstad WTW Raw		
Analyses	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	7.78	7.99
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.4	31.7
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	228	252
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	132	136
A AQL Chloride (Cl)	mg/l	ALM 02	20.9	15.6
A AQL Sulphate (SO ₄)	mg/l	ALM 03	28.0	22.9
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.539	0.466
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.539	0.466
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.046	0.077
A AQL Fluoride (F)	mg/l	ALM 08	0.469	0.286
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.1	22.2
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.7	11.6
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	29.1	25.9
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.12	5.73
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.062	0.279
A AQL Turbidity	NTU	ALM 21	1.84	64.3
A AQL True Colour	mg/l Pt-Co	ALM 22	16.0	45.0
A AQL Langelier Saturation Index	LSI	ALM 26	-0.68	-0.49

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
 AQX 28 Karee ave, Kathu, Northern Cape, South Africa

Tel: +27 12 450 3800
 Tel: +27 53 860 0208

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