

**Test Report**

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 244124  
**Project:** Moqhaka Municipality

**Date of report:** 08 December 2025  
**Date accepted:** 03 December 2025  
**Date completed:** 05 December 2025  
**Date received:** 03 December 2025

Lab no:					391012	391013	391014	391015	391016	391017	391018
<b>Date sampled:</b>					01-Dec-25	02-Dec-25	01-Dec-25	01-Dec-25	01-Dec-25	02-Dec-25	01-Dec-25
<b>Aquatiko sampled:</b>					Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Sample type:</b>					Water	Water	Water	Water	Water	Water	Water
<b>Locality description:</b>					Kroonstad Boltumelo Hosp	Kroonstad Brent Park Clinic	Kroonstad Correctional Gate	Kroonstad WTW Raw	Kroonstad WTW Final	Kroonstad Tshepong Clinic	Kroonstad Suidrand Reservoir
Analyses		Unit	Method								
A	AQL pH @ 25°C	pH	ALM 20	7.60	7.48	7.73	7.62	7.45	7.85	7.62	
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.4	23.0	35.4	21.9	23.0	25.2	23.5	
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	155	141	217	135	145	159	136	
A	AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	95.3	83.9	117	93.1	66.2	80.6	83.0	
A	AQL Chloride (Cl)	mg/l	ALM 02	18.5	17.9	22.9	10.6	18.4	19.7	18.3	
A	AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	17.5	15.5	34.1	18.7	17.2	18.6	16.9	
A	AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.750	0.816	0.715	0.656	0.722	0.660	0.788	
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.750	0.816	0.715	0.656	0.722	0.660	0.788	
A	AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.021	0.020	0.034	0.058	0.019	0.016	0.020	
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	0.271	<0.263	<0.263	<0.263	
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	16.9	14.7	24.0	15.8	14.5	16.5	15.1	
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	8.83	7.23	11.8	7.75	7.21	8.50	7.62	
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	23.9	22.0	32.7	22.2	22.3	23.4	22.3	
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.87	6.02	6.91	6.32	6.05	5.93	5.81	
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.034	0.030	0.021	0.991	0.054	0.084	0.034	
A	AQL Turbidity	NTU	ALM 21	2.38	1.97	1.61	331	4.11	5.75	1.75	
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	8.00	9.00	18.0	7.00	7.00	<5.00	
A	AQL Langelier Saturation Index	LSI	ALM 26	-1.15	-1.39	-0.80	-1.17	-1.52	-0.99	-1.24	

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**

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Lab no:					391019	391020	391021	391022	391023	391024
<b>Date sampled:</b>					01-Dec-25	01-Dec-25	01-Dec-25	02-Dec-25	02-Dec-25	01-Dec-25
<b>Aquatico sampled:</b>					Yes	Yes	Yes	Yes	Yes	Yes
<b>Sample type:</b>					Water	Water	Water	Water	Water	Water
<b>Locality description:</b>					Kroonstad Panorama Centre	Kroonstad Moakeng Reservoir	Kroonheuwe I Plat Reservoir	Kroonstad Selsoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
	<b>Analyses</b>	<b>Unit</b>	<b>Method</b>							
A	AQL pH @ 25°C	pH	ALM 20	7.72	7.53	7.73	7.73	7.36	7.50	
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	25.7	24.9	24.2	23.3	23.4	40.7	
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	154	155	143	143	141	246	
A	AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	82.4	79.8	88.6	64.1	86.5	144	
A	AQL Chloride (Cl)	mg/l	ALM 02	19.3	18.5	16.9	19.0	18.4	26.6	
A	AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	18.5	17.6	16.2	16.1	16.6	28.9	
A	AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.647	0.727	0.929	0.747	0.761	0.225	
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.647	0.727	0.929	0.747	0.761	0.225	
A	AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.014	0.022	0.023	0.020	0.041	0.359	
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	<0.263	<0.263	0.502	
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	16.9	16.1	16.3	14.6	15.1	29.1	
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	8.77	8.39	7.77	7.06	7.32	14.4	
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	23.5	22.9	22.7	21.5	22.8	33.9	
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.77	5.83	5.75	5.88	6.10	7.29	
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.035	0.021	0.026	0.060	0.015	0.005	
A	AQL Turbidity	NTU	ALM 21	2.73	1.74	2.14	4.95	1.60	9.26	
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
A	AQL Langelier Saturation Index	LSI	ALM 26	-1.10	-1.32	-1.07	-1.25	-1.48	-0.86	

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AQL 89 Regency Drive, R21 Corporate Park, Centurion, South Africa  
 AQQ 28 Karee ave, Kathu, Northern Cape, South Africa

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

www.aquatico.co.za  
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