

**Test Report**

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 235328  
**Project:** Moqhaka Municipality

**Date of report:** 26 September 2025  
**Date accepted:** 17 September 2025  
**Date completed:** 26 September 2025  
**Date received:** 17 September 2025

Lab no:	348300	348301	348302	348303	348304	348305	348306		
<b>Date sampled:</b>	15-Sep-25	16-Sep-25	15-Sep-25	15-Sep-25	15-Sep-25	16-Sep-25	15-Sep-25		
<b>Aquatico 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 Botumelo Hoop	Kroonstad Brent Park Clinic	Kroonstad Correctional Gate	Kroonstad WTW Raw	Kroonstad WTW Final	Kroonstad Tshepoing Clinic	Kroonstad Suidrand Reservoir		
<b>Analyses</b>	<b>Unit</b>	<b>Method</b>							
A AQL pH @ 25°C	pH	ALM 20	7.78	7.78	7.84	7.81	7.83	7.81	7.72
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	31.7	32.0	35.2	35.3	32.0	31.9	31.8
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	182	188	218	188	185	193	193
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	200	178	242	204	200	184	198
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	104	106	115	116	111	119	117
A AQL Chloride (Cl)	mg/l	ALM 02	21.1	21.6	24.1	18.6	22.6	20.3	21.0
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	24.3	26.6	30.0	26.6	22.5	24.3	24.1
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.489	0.441	0.813	0.397	0.513	0.470	0.481
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.489	0.445	0.813	0.397	0.513	0.470	0.481
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.013	0.012	0.023	0.139	0.017	0.024	0.023
A AQL Fluoride (F)	mg/l	ALM 08	0.508	0.512	0.304	0.430	<0.263	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.4	24.8	23.6	24.7	24.4	24.6	24.6
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.8	10.5	13.7	12.6	12.4	12.3	12.2
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.5	30.1	41.8	27.5	26.7	29.7	29.6
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.56	7.27	8.30	7.43	7.22	7.25	7.27
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.019	0.014	0.042	0.136	0.061	0.079	0.008
A AQL Turbidity	NTU	ALM 21	0.779	1.50	0.862	2.8	1.46	2.52	1.43
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	24.0	<5.00	<5.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.82	-0.80	-0.55	-0.72	-0.33	-0.57	-0.79

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow (NATS) = 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. Swainson*  
 Technical Signatory

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Lab no:	348307	348308	348309	348310	348311		
Date sampled:	15-Sep-25	15-Sep-25	16-Sep-25	16-Sep-25	15-Sep-25		
Aquatico sampled:	Yes	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water	Water		
Locality description:	Kroonstad Panorama Centre	Kroonheuwe l 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	7.58	7.96	7.83	7.58	7.31
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	31.8	31.6	32.1	31.7	43.9
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	193	193	193	198	262
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	210	226	214	226	220
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	118	115	114	122	180
A AQL Chloride (Cl)	mg/l	ALM 02	21.4	21.3	21.5	21.0	21.2
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	24.5	25.7	26.5	25.6	31.1
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.427	0.393	0.415	0.443	0.432
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.427	0.393	0.415	0.443	0.432
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.019	0.034	0.025	0.045	0.022
A AQL Fluoride (F)	mg/l	ALM 08	0.440	<0.263	0.360	0.518	0.265
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	24.4	24.6	24.7	24.7	40.9
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.2	12.4	12.0	12.4	20.4
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	29.3	29.9	29.1	29.9	28.6
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.15	7.35	7.05	7.35	7.27
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.028	0.036	0.045	0.028	0.804
A AQL Turbidity	NTU	ALM 21	1.32	0.986	1.11	0.677	34.4
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	<5.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.94	-0.57	-0.70	-0.92	-0.80

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