

**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 252359  
**Project:** Moqhaka Municipality

**Date of report:** 25 February 2026  
**Date accepted:** 18 February 2026  
**Date completed:** 25 February 2026  
**Date received:** 18 February 2026

Lab no:				429633	429634
Date sampled:				16-Feb-26	16-Feb-26
Aquatico sampled:				Yes	Yes
Sample type:				Water	Water
Locality description:				Kroonstad WTW Raw	Kroonstad WTW Final
Analyses			Unit	Method	
A	AQL	pH @ 25°C	pH	ALM 20	8.21 7.86
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	33.1 33.7
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	206 222
A	AQL	Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	123 109
A	AQL	Chloride (Cl)	mg/l	ALM 02	14.9 22.8
A	AQL	Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	19.2 19.2
A	AQL	Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.363 0.470
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.363 0.470
A	AQL	Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.229 0.038
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263 <0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.8 23.5
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.3 11.0
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	24.5 23.9
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	6.47 6.39
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.210 0.080
A	AQL	Turbidity	NTU	ALM 21	63.6 5.37
A	AQL	True Colour	mg/l Pt-Co	ALM 22	32.0 11.0
A	AQL	Langelier Saturation Index	LSI	ALM 26	-0.27 -0.68

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ND: Not Detected  
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**Test Report**

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 252362  
**Project:** Moqhaka Municipality

**Date of report:** 25 February 2026  
**Date accepted:** 18 February 2026  
**Date completed:** 25 February 2026  
**Date received:** 18 February 2026

Lab no:	429639	429640	429641	429642	429643	429644	429645		
<b>Date sampled:</b>	16-Feb-26	17-Feb-26	16-Feb-26	17-Feb-26	16-Feb-26	16-Feb-26	16-Feb-26		
<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 Boitumelo Hosp	Kroonstad Brent Park Clinic	Kroonstad Correctional Gate	Kroonstad Tshepong Clinic	Kroonstad Suidrand Reservoir	Kroonstad Panorama Centre	Kroonstad Moakeng Reservoir		
<b>Analyses</b>	<b>Unit</b>	<b>Method</b>							
A AQL pH @ 25°C	pH	ALM 20	8.16	8.05	8.16	8.18	8.33	8.13	7.91
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.4	34.0	43.9	34.3	34.1	34.7	34.9
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	224	212	270	220	238	228	220
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	120	123	156	128	124	121	124
A AQL Chloride (Cl)	mg/l	ALM 02	22.7	21.7	25.0	21.8	23.8	23.4	23.2
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	20.8	19.2	36.5	20.1	20.6	20.9	21.0
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.460	0.503	0.511	0.379	0.412	0.343	0.397
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.460	0.503	0.511	0.379	0.412	0.343	0.397
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	<0.008	0.012	<0.008	0.017	0.013	0.011	0.021
A AQL Fluoride (F)	mg/l	ALM 08	0.331	0.340	0.448	0.383	0.443	0.540	0.291
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.8	23.7	27.8	24.5	24.2	24.2	27.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.1	11.0	12.0	11.2	11.1	11.1	12.7
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	25.1	24.1	41.1	25.0	25.4	25.6	28.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.36	6.40	7.20	6.61	6.42	6.50	7.03
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.083	0.046	0.050	0.059	0.044	0.067	0.082
A AQL Turbidity	NTU	ALM 21	2.80	7.89	0.727	2.91	1.06	0.798	0.466
A AQL True Colour	mg/l Pt-Co	ALM 22	6.00	8.00	<5.00	5.00	11.0	<5.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.33	-0.43	-0.16	-0.29	-0.16	-0.37	-0.52

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**Test Report**

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 252362  
**Project:** Moqhaka Municipality

**Date of report:** 25 February 2026  
**Date accepted:** 18 February 2026  
**Date completed:** 25 February 2026  
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Lab no:				429646	429647	429648	429649
Date sampled:				16-Feb-26	16-Feb-26	17-Feb-26	16-Feb-26
Aquatiko sampled:				Yes	Yes	Yes	Yes
Sample type:				Water	Water	Water	Water
Locality description:				Kroonheuwe I Plat Reservoir	Kroonstad Seisoville Clinic	Kroonstad Bhopelong Clinic	Kroonstad Moqhaka clinic
Analyses	Unit	Method					
A AQL pH @ 25°C	pH	ALM 20	8.01	7.92	7.96	7.60	
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	34.3	34.7	34.1	35.3	
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	216	196	214	230	
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	121	128	122	123	
A AQL Chloride (Cl)	mg/l	ALM 02	24.0	23.1	22.7	24.2	
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	20.6	19.5	19.1	18.9	
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.416	0.452	0.452	0.267	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.416	0.452	0.452	0.267	
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.016	0.015	0.014	0.182	
A AQL Fluoride (F)	mg/l	ALM 08	0.397	0.650	0.280	<0.263	
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	28.4	29.5	28.0	27.7	
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	12.8	12.6	12.8	13.4	
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	28.7	27.8	27.5	28.9	
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.21	7.14	7.18	7.11	
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.099	0.226	0.056	0.009	
A AQL Turbidity	NTU	ALM 21	0.900	9.10	0.874	6.78	
A AQL True Colour	mg/l Pt-Co	ALM 22	7.00	7.00	<5.00	<5.00	
A AQL Langelier Saturation Index	LSI	ALM 26	0.42	-0.45	-0.46	-0.82	

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