

**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 233592  
**Project:** Moqhaka Municipality

**Date of report:** 09 September 2025  
**Date accepted:** 02 September 2025  
**Date completed:** 08 September 2025  
**Date received:** 02 September 2025

Lab no:	312902	312901	312900	312899	312898	312897	312896		
<b>Date sampled:</b>	01-Sep-25	02-Sep-25	02-Sep-25	01-Sep-25	01-Sep-25	01-Sep-25	01-Sep-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 Moqhaka clinic	Kroonstad Bhopelong Clinic	Kroonstad Selsoville Clinic	Kroonheuwe I Plat Reservoir	Kroonstad Moakeng Reservoir	Kroonstad Panorama Centre	Kroonstad Suldrand Reservoir		
<b>Analyses</b>	<b>Unit</b>	<b>Method</b>							
A AQL pH @ 25°C	pH	ALM 20	8.27	8.15	8.20	8.28	8.28	8.24	8.30
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	42.6	32.9	32.7	32.6	33.3	33.0	32.9
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	260	208	194	194	194	218	220
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	183	127	126	123	130	127	128
A AQL Chloride (Cl)	mg/l	ALM 02	21.6	20.3	20.3	20.5	20.8	20.8	20.7
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	25.7	24.0	25.9	26.0	25.8	25.8	24.4
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.851	0.514	0.589	0.722	0.656	0.448	0.506
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.851	0.514	0.589	0.722	0.656	0.448	0.506
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.023	0.043	0.020	0.026	0.029	0.013	0.030
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	35.3	23.6	22.7	21.4	23.8	23.2	22.8
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	18.2	12.0	11.3	11.9	11.6	11.7	11.5
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.7	28.2	26.8	25.5	27.3	27.6	27.1
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.91	6.71	6.42	5.98	6.40	6.47	6.45
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.626	0.028	0.048	0.049	0.031	0.044	0.026
A AQL Turbidity	NTU	ALM 21	67.9	0.710	1.40	1.56	0.718	1.39	0.685
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	7.00	9.00	9.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	0.11	-0.33	-0.30	-0.26	-0.19	-0.25	-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

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 233592  
**Project:** Moqhaka Municipality

**Date of report:** 09 September 2025  
**Date accepted:** 02 September 2025  
**Date completed:** 08 September 2025  
**Date received:** 02 September 2025

Lab no:	312895	312894	312893	312892		
Date sampled:	02-Sep-25	01-Sep-25	02-Sep-25	01-Sep-25		
Aquatiko sampled:	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water		
Locality description:	Kroonstad Tshepong Clinic	Kroonstad Correctional Gate	Kroonstad Brent Park Clinic	Kroonstad Boitumelo Hosp		
<b>Analyses</b>	<b>Unit</b>	<b>Method</b>				
A AQL pH @ 25°C	pH	ALM 20	8.26	8.05	7.91	7.79
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	35.2	44.7	33.6	33.8
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	280	298	208	312
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	129	167	129	135
A AQL Chloride (Cl)	mg/l	ALM 02	20.3	24.0	20.0	20.1
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	25.5	25.3	24.9	24.2
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.414	1.09	0.509	0.551
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.414	1.09	0.509	0.551
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.019	0.031	0.033	0.059
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.468	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.7	27.3	25.1	25.7
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.0	12.5	11.1	11.1
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.3	40.4	26.4	26.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	6.24	7.37	6.28	6.16
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.071	0.032	0.043	0.043
A AQL Turbidity	NTU	ALM 21	3.45	0.794	1.34	1.02
A AQL True Colour	mg/l Pt-Co	ALM 22	7.00	6.00	7.00	8.00
A AQL Langelier Saturation Index	LSI	ALM 26	-0.21	-0.27	-0.56	-0.65

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**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 233595  
**Project:** Moqhaka Municipality

**Date of report:** 09 September 2025  
**Date accepted:** 02 September 2025  
**Date completed:** 09 September 2025  
**Date received:** 02 September 2025

Lab no:				312911	312910
Date sampled:				01-Sep-25	01-Sep-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	8.24	8.25
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	32.3	31.0
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	180	212
A	AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	120	126
A	AQL Chloride (Cl)	mg/l	ALM 02	19.1	15.6
A	AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	24.5	25.3
A	AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.653	0.364
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.653	0.364
A	AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.019	0.136
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	23.7	21.6
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	11.8	11.1
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	26.8	26.2
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	7.17	6.51
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.058	0.296
A	AQL Turbidity	NTU	ALM 21	2.03	55.2
A	AQL True Colour	mg/l Pt-Co	ALM 22	6.00	32.0
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.26	-0.27

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