

Test Report

Client: Moqhaka Local Municipality
 Address: Moqhaka Municipality, Hill Street, Kroonstad
 Report no: 233594
 Project: Moqhaka Municipality

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

Lab no:					312909	312908	312907
Date sampled:					02-Sep-25	02-Sep-25	02-Sep-25
Aquatiko sampled:					Yes	Yes	Yes
Sample type:					Water	Water	Water
Locality description:					Viljoenskroon Renyakaletsi Pump Station	Viljoenskroon Community Hall	Viljoenskroon Municipal Offices
Analyses		Unit	Method				
A	AQL pH @ 25°C	pH	ALM 20	8.51	8.53	8.52	
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	50.8	51.0	50.7	
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	328	336	294	
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	209	210	207	
A	AQL Chloride (Cl)	mg/l	ALM 02	34.0	34.4	34.2	
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	36.4	37.5	33.0	
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.681	0.271	0.689	
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.681	0.271	0.689	
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.021	0.024	0.024	
A	AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263	
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	42.1	41.8	40.3	
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	22.2	22.1	21.3	
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	38.8	38.6	37.0	
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.27	5.23	4.97	
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.032	0.041	0.044	
A	AQL Turbidity	NTU	ALM 21	0.348	0.482	0.831	
A	AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00	
A	AQL Langelier Saturation Index	LSI	ALM 26	0.47	0.50	0.46	

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

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Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 233597
Project: Moqhaka Municipality

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

Lab no:	312915	312914		
Date sampled:	02-Sep-25	02-Sep-25		
Aquatico sampled:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Viljoenskroon WTW Final	Viljoenskroon WTW Raw		
Analyses	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	8.52	8.47
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	51.2	50.0
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	308	322
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	213	215
A AQL Chloride (Cl)	mg/l	ALM 02	33.8	30.1
A AQL Sulphate (SO ₄)	mg/l	ALM 03	35.6	31.7
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.681	0.843
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.681	0.843
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.065	0.042
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	43.0	43.0
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	22.8	22.9
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	39.2	37.0
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.36	5.29
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.035	0.062
A AQL Turbidity	NTU	ALM 21	0.464	9.15
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	5.00
A AQL Langelier Saturation Index	LSI	ALM 26	0.50	0.46

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