

**Test Report**

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**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 235330  
**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:	348318	348319	348320	348321	348322		
Date sampled:	16-Sep-25	16-Sep-25	16-Sep-25	16-Sep-25	16-Sep-25		
Aquatico sampled:	Yes	Yes	Yes	Yes	Yes		
Sample type:	Water	Water	Water	Water	Water		
Locality description:	Viljoenskroon Municipal Offices	Viljoenskroon WTW Raw	Viljoenskroon WTW Final	Viljoenskroon Community Hall	Viljoenskroon Renyakalets Pump Station		
Analyses	Unit	Method					
A AQL pH @ 25°C	pH	ALM 20	8.37	8.07	8.13	8.21	8.25
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	50.9	50.3	50.5	50.9	51.3
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	300	306	306	306	307
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	304	340	302	288	328
A AQL Total Alkalinity	mg CaCO <sub>3</sub> /l	ALM 01	192	198	196	190	188
A AQL Chloride (Cl)	mg/l	ALM 02	33.2	31.7	33.2	33.9	35.7
A AQL Sulphate (SO <sub>4</sub> )	mg/l	ALM 03	34.3	35.8	34.1	37.9	37.3
A AQL Nitrate (NO <sub>3</sub> ) as N	mg/l	ALM 06	0.815	0.639	0.731	0.760	0.752
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.815	0.639	0.731	0.760	0.752
A AQL Ammonium (NH <sub>4</sub> ) as N	mg/l	ALM 05	0.036	0.065	0.028	0.031	0.050
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	0.265	0.283	0.461	0.461
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	45.3	44.5	42.0	44.0	41.3
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	23.7	25.0	25.8	24.7	25.3
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	37.5	39.6	41.7	40.0	43.0
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.24	5.83	5.93	5.61	5.85
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.004	0.024	0.010	0.009	0.007
A AQL Turbidity	NTU	ALM 21	0.331	11.1	0.407	0.408	0.309
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	0.32	0.02	0.05	0.14	0.14

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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