

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 232125
Project: Moqhaka Municipality

Date of report: 25 August 2025
Date accepted: 19 August 2025
Date completed: 25 August 2025
Date received: 19 August 2025

Lab no:	303257	303256		
Date sampled:	19-Aug-25	19-Aug-25		
Aquatico sampled:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Viljoenskroon n WTW Final	Viljoenskroon n WTW Raw		
Analyses	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	8.59	8.56
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	48.4	46.8
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	292	314
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	196	194
A AQL Chloride (Cl)	mg/l	ALM 02	36.3	31.3
A AQL Sulphate (SO ₄)	mg/l	ALM 03	30.3	33.0
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.539	0.491
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.539	0.491
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.025	0.043
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	39.8	41.1
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	21.1	21.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	37.6	34.9
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	4.76	4.93
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.011	0.021
A AQL Turbidity	NTU	ALM 21	0.665	12.1
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	11.0
A AQL Langelier Saturation Index	LSI	ALM 26	0.49	0.47

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: 232122
Project: Moqhaka Municipality

Date of report: 25 August 2025
Date accepted: 19 August 2025
Date completed: 25 August 2025
Date received: 19 August 2025

Lab no:					303251	303250	303249
Date sampled:					19-Aug-25	19-Aug-25	19-Aug-25
Aquatico sampled:					Yes	Yes	Yes
Sample type:					Water	Water	Water
Locality description:					Viljoenskroon Renyakalets Pump Station	Viljoenskroon Community Hall	Viljoenskroon Municipal Offices
Analyses				Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.47	8.53	8.61
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	47.9	47.8	47.4
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	288	314	266
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	194	197	196
A	AQL	Chloride (Cl)	mg/l	ALM 02	36.5	33.4	33.2
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	35.0	34.7	35.6
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.688	0.578	0.628
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.688	0.578	0.628
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.039	0.032	0.029
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	<0.263	<0.263
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	38.6	40.5	39.2
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	20.4	21.4	20.6
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	35.4	36.3	34.2
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	4.59	4.84	4.65
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.002	0.005	<0.002
A	AQL	Turbidity	NTU	ALM 21	0.519	0.850	0.756
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	0.36	0.44	0.51

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