

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 252361
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:				429637	429638
Date sampled:				17-Feb-26	17-Feb-26
Aquatico sampled:				Yes	Yes
Sample type:				Water	Water
Locality description:				Viljoenskroon WTW Raw	Viljoenskroon WTW Final
	Analyses	Unit	Method		
A	AQL pH @ 25°C	pH	ALM 20	8.11	8.12
A	AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	44.6	45.3
A	AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	268	284
A	AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	147	141
A	AQL Chloride (Cl)	mg/l	ALM 02	30.9	36.7
A	AQL Sulphate (SO ₄)	mg/l	ALM 03	32.3	31.7
A	AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.614	0.515
A	AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.614	0.515
A	AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.088	<0.008
A	AQL Fluoride (F)	mg/l	ALM 08	0.420	0.546
A	AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	32.1	32.2
A	AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	16.4	16.8
A	AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	30.8	30.8
A	AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.26	5.28
A	AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.140	<0.003
A	AQL Turbidity	NTU	ALM 21	39.2	1.68
A	AQL True Colour	mg/l Pt-Co	ALM 22	12.0	<5.00
A	AQL Langelier Saturation Index	LSI	ALM 26	-0.19	-0.20

A: Accredited N: Not accredited Sub: Sub-contracted NR: Not requested RTF: Results to follow NATD: Not able to determine ND: Not Detected
 ATR: Alternative Test Report; Results relate only to the items sampled and tested; Results reported against the limit of detection; Results marked as "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

AQL 89 Regency Drive, R21 Corporate Park, Centurion, South Africa
 AOK 78 Karee ave, Kathu, Northern Cape, South Africa

Tel: +27 12 450 3800
 Tel: +27 53 880 0208

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Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 252365
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:					429656	429657	429658
Date sampled:					17-Feb-26	17-Feb-26	17-Feb-26
Aquatico sampled:					Yes	Yes	Yes
Sample type:					Water	Water	Water
Locality description:					Viljoenskroon Municipal Offices	Viljoenskroon Community Hall	Viljoenskroon Renyakaletsi Pump Station
Analyses				Unit	Method		
A	AQL	pH @ 25°C	pH	ALM 20	8.20	8.14	7.99
A	AQL	Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	46.0	45.6	45.8
A	AQL	Total Dissolved solids @ 180°C	mg/l	ALM 24	294	284	272
A	AQL	Total Alkalinity	mg CaCO ₃ /l	ALM 01	151	150	142
A	AQL	Chloride (Cl)	mg/l	ALM 02	36.7	37.3	36.7
A	AQL	Sulphate (SO ₄)	mg/l	ALM 03	33.2	32.5	33.4
A	AQL	Nitrate (NO ₃) as N	mg/l	ALM 06	0.456	0.544	0.408
A	AQL	Total oxidised nitrogen as N	mg/l	ALM 06	0.456	0.544	0.408
A	AQL	Ammonium (NH ₄) as N	mg/l	ALM 05	0.015	0.021	0.041
A	AQL	Fluoride (F)	mg/l	ALM 08	<0.263	0.361	0.599
A	AQL	Acid Soluble Calcium (Ca)	mg/l	ALMA 30	39.0	34.5	35.0
A	AQL	Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	19.3	17.5	17.2
A	AQL	Acid Soluble Sodium (Na)	mg/l	ALMA 30	35.5	32.5	33.8
A	AQL	Acid Soluble Potassium (K)	mg/l	ALMA 30	5.84	5.71	5.73
A	AQL	Acid Soluble Aluminium (Al)	mg/l	ALMA 31	<0.003	0.003	0.005
A	AQL	Turbidity	NTU	ALM 21	0.623	1.61	0.430
A	AQL	True Colour	mg/l Pt-Co	ALM 22	<5.00	<5.00	<5.00
A	AQL	Langelier Saturation Index	LSI	ALM 26	0.01	-0.11	-0.28

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