

Test Report

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Client: Mqhasha Local Municipality
 Address: Mqhasha Municipality, Hill Street, Kroonstad
 Report no: 234485
 Project: Mqhasha Municipality

Date of report: 18 September 2025
 Date accepted: 10 September 2025
 Date completed: 18 September 2025
 Date received: 09 October 2025

Lab no:	364236	364237	364238		
Date sampled:	09-Sep-25	09-Sep-25	09-Sep-25		
Aquatico sampled:	Yes	Yes	Yes		
Sample type:	Water	Water	Water		
Locality description:	Viljoenskrook n Rensvalelei Pump Station	Viljoenskrook n Community Hqil	Viljoenskrook n Municipal Offices		
Analyses	Unit	Method			
A AQL pH @ 25°C	pH	ALM 20	8.18	8.21	8.23
A AQL Electrical conductivity (EC) @ 25°C	mS/m	ALM 20	50.2	50.0	50.1
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	290	291	287
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	392	398	430
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	183	185	185
A AQL Chloride (Cl)	mg/l	ALM 02	35.5	35.4	34.4
A AQL Sulphate (SO ₄)	mg/l	ALM 03	37.6	35.6	32.3
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.603	0.624	0.661
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.603	0.624	0.661
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.041	0.032	0.031
A AQL Fluoride (F)	mg/l	ALM 08	0.281	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	40.3	40.9	41.6
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	20.4	21.0	20.6
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	36.7	36.6	36.9
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.10	5.26	5.13
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.007	0.008	0.006
A AQL Turbidity	NTU	ALM 21	0.720	0.453	0.370
A AQL True Colour	mg/l Pt-Co	ALM 22	5.00	5.00	<5.00
A AQL Langelier Saturation Index	LSI	ALM 26	0.06	0.10	0.12

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

Test Report

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Client: Moghaka Local Municipality
 Address: Moghaka Municipality, Hill Street, Kroonstad
 Report no: 234489
 Project: Moghaka Municipality

Date of report: 18 September 2025
 Date accepted: 10 September 2025
 Date completed: 18 September 2025
 Date received: 10 September 2025

Lab no:	340042	340041		
Date sampled:	09-Sep-25	09-Sep-25		
Aquatiko sampled:	Yes	Yes		
Sample type:	Water	Water		
Locality description:	Vijoenkroop n WTW Final	Vijoenkroop n WTW Raw		
Analyses	Unit	Method		
A AQL pH @ 25°C	pH	ALM 20	8.28	8.22
A AQL Electrical conductivity (EC) @ 25°C	µS/m	ALM 20	50.1	49.6
A AQL Total dissolved solids (TDS)	mg/l	ALM 26	294	290
A AQL Total Dissolved solids @ 180°C	mg/l	ALM 24	390	414
A AQL Total Alkalinity	mg CaCO ₃ /l	ALM 01	193	189
A AQL Chloride (Cl)	mg/l	ALM 02	33.6	31.1
A AQL Sulphate (SO ₄)	mg/l	ALM 03	35.4	37.9
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.681	0.670
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.681	0.670
A AQL Ammonium (NH ₄) as N	mg/l	ALM 05	0.178	0.054
A AQL Fluoride (F)	mg/l	ALM 08	<0.263	<0.263
A AQL Acid Soluble Calcium (Ca)	mg/l	ALMA 30	40.8	41.4
A AQL Acid Soluble Magnesium (Mg)	mg/l	ALMA 30	20.8	20.8
A AQL Acid Soluble Sodium (Na)	mg/l	ALMA 30	36.8	35.4
A AQL Acid Soluble Potassium (K)	mg/l	ALMA 30	5.22	5.16
A AQL Acid Soluble Aluminium (Al)	mg/l	ALMA 31	0.017	0.033
A AQL Turbidity	NTU	ALM 21	0.407	10.5
A AQL True Colour	mg/l Pt-Co	ALM 22	<5.00	11.0
A AQL Langelier Saturation Index	LSI	ALM 26	0.19	0.12

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