

Test Report

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Client: Moqhaka Local Municipality
Address: Moqhaka Municipality, Hill Street, Kroonstad
Report no: 234488
Project: Moqhaka Municipality

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

| Lab no: | | 344040 | 344039 |
|---|-------------------------|------------------------|----------------------|
| Date sampled: | | 08-Sep-25 | 08-Sep-25 |
| Aquatico sampled: | | Yes | Yes |
| Sample type: | | Water | Water |
| Locality description: | | Steynsrus WTW Final | Steynsrus WTW Raw |
| Analyses | Unit | Method | |
| A AQL pH @ 25°C | pH | ALM 20 | 8.13 8.07 |
| A AQL Electrical conductivity (EC) @ 25°C | mS/m | ALM 20 | 30.9 28.9 |
| A AQL Total dissolved solids (TDS) | mg/l | ALM 26 | 177 161 |
| A AQL Total Dissolved solids @ 180°C | mg/l | ALM 24 | 238 266 |
| A AQL Total Alkalinity | mg CaCO ₃ /l | ALM 01 | 132 120 |
| A AQL Chloride (Cl) | mg/l | ALM 02 | 15.5 9.09 |
| A AQL Sulphate (SO ₄) | mg/l | ALM 03 | 17.4 17.8 |
| A AQL Nitrate (NO ₃) as N | mg/l | ALM 06 | 0.251 0.227 |
| A AQL Total oxidised nitrogen as N | mg/l | ALM 06 | 0.251 0.227 |
| A AQL Ammonium (NH ₄) as N | mg/l | ALM 05 | 0.013 0.053 |
| A AQL Fluoride (F) | mg/l | ALM 08 | <0.263 <0.263 |
| A AQL Acid Soluble Calcium (Ca) | mg/l | ALMA 30 | 24.8 22.4 |
| A AQL Acid Soluble Magnesium (Mg) | mg/l | ALMA 30 | 13.0 13.2 |
| A AQL Acid Soluble Sodium (Na) | mg/l | ALMA 30 | 18.5 17.6 |
| A AQL Acid Soluble Potassium (K) | mg/l | ALMA 30 | 6.43 6.54 |
| A AQL Acid Soluble Aluminium (Al) | mg/l | ALMA 31 | 0.090 0.070 |
| A AQL Turbidity | NTU | ALM 21 | 0.573 9.45 |
| A AQL True Colour | mg/l Pt-Co | ALM 22 | <5.00 26.0 |
| A AQL Langelier Saturation Index | LSI | ALM 26 | -0.32 -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

M. Swanepoel
 Technical Signatory

Test Report

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

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

| Lab no: | 344033 | 344032 | 344031 | 344030 | | |
|---|----------------------------------|------------------------------|-----------------------------|----------------------------|--------|-------|
| Date sampled: | 08-Sep-25 | 08-Sep-25 | 08-Sep-25 | 08-Sep-25 | | |
| Aquatico sampled: | Yes | Yes | Yes | Yes | | |
| Sample type: | Water | Water | Water | Water | | |
| Locality description: | Steynsrus Mantlwang Communal Tap | Steynsrus Matlwangtlwang Res | Steynsrus Municipal Offices | Steynsrus Fouche Reservoir | | |
| Analyses | Unit | Method | | | | |
| A AQL pH @ 25°C | pH | ALM 20 | 8.17 | 8.15 | 8.19 | 8.24 |
| A AQL Electrical conductivity (EC) @ 25°C | mS/m | ALM 20 | 30.3 | 30.4 | 30.0 | 30.0 |
| A AQL Total dissolved solids (TDS) | mg/l | ALM 26 | 169 | 168 | 167 | 169 |
| A AQL Total Dissolved solids @ 180°C | mg/l | ALM 24 | 216 | 296 | 230 | 262 |
| A AQL Total Alkalinity | mg CaCO ₃ /l | ALM 01 | 122 | 123 | 121 | 127 |
| A AQL Chloride (Cl) | mg/l | ALM 02 | 14.4 | 13.9 | 13.5 | 12.7 |
| A AQL Sulphate (SO ₄) | mg/l | ALM 03 | 16.1 | 16.0 | 17.4 | 14.9 |
| A AQL Nitrate (NO ₃) as N | mg/l | ALM 06 | 0.235 | 0.198 | 0.201 | 0.654 |
| A AQL Total oxidised nitrogen as N | mg/l | ALM 06 | 0.235 | 0.198 | 0.201 | 0.654 |
| A AQL Ammonium (NH ₄) as N | mg/l | ALM 05 | 0.030 | 0.033 | 0.036 | 0.029 |
| A AQL Fluoride (F) | mg/l | ALM 08 | 0.298 | <0.263 | <0.263 | 0.266 |
| A AQL Acid Soluble Calcium (Ca) | mg/l | ALMA 30 | 24.5 | 23.8 | 23.4 | 23.5 |
| A AQL Acid Soluble Magnesium (Mg) | mg/l | ALMA 30 | 13.5 | 13.3 | 13.3 | 13.2 |
| A AQL Acid Soluble Sodium (Na) | mg/l | ALMA 30 | 18.6 | 18.2 | 18.1 | 18.1 |
| A AQL Acid Soluble Potassium (K) | mg/l | ALMA 30 | 6.58 | 6.59 | 6.56 | 6.47 |
| A AQL Acid Soluble Aluminium (Al) | mg/l | ALMA 31 | 0.077 | 0.077 | 0.070 | 0.081 |
| A AQL Turbidity | NTU | ALM 21 | 0.381 | 0.522 | 0.430 | 0.900 |
| A AQL True Colour | mg/l Pt-Co | ALM 22 | <5.00 | <5.00 | <5.00 | <5.00 |
| A AQL Langelier Saturation Index | LSI | ALM 26 | -0.32 | -0.36 | -0.32 | -0.26 |

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