

**Test Report**

Page 1 of 1

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 236790  
**Project:** Moqhaka Municipality

**Date of report:** 06 October 2025  
**Date accepted:** 01 October 2025  
**Date completed:** 06 October 2025  
**Date received:** 01 October 2025

| Lab no:                                   |                         | 355910            | 355911              |
|---|-------------------------|-------------------|---------------------|
| Date sampled:                             |                         | 29-Sep-25         | 29-Sep-25           |
| Aquatico sampled:                         |                         | Yes               | Yes                 |
| Sample type:                              |                         | Water             | Water               |
| Locality description:                     |                         | Steynsrus WTW Raw | Steynsrus WTW Final |
| Analyses                                  | Unit                    | Method            |                     |
| A AQL pH @ 25°C                           | pH                      | ALM 20            | 8.29 8.29           |
| A AQL Electrical conductivity (EC) @ 25°C | mS/m                    | ALM 20            | 30.9 33.3           |
| A AQL Total dissolved solids (TDS)        | mg/l                    | ALM 26            | 189 187             |
| A AQL Total Dissolved solids @ 180°C      | mg/l                    | ALM 24            | 212 220             |
| A AQL Total Alkalinity                    | mg CaCO <sub>3</sub> /l | ALM 01            | 143 130             |
| A AQL Chloride (Cl)                       | mg/l                    | ALM 02            | 9.23 14.4           |
| A AQL Sulphate (SO <sub>4</sub> )         | mg/l                    | ALM 03            | 20.4 19.8           |
| A AQL Nitrate (NO <sub>3</sub> ) as N     | mg/l                    | ALM 06            | 0.219 0.233         |
| A AQL Total oxidised nitrogen as N        | mg/l                    | ALM 06            | 0.219 0.233         |
| A AQL Ammonium (NH <sub>4</sub> ) as N    | mg/l                    | ALM 05            | 0.059 0.033         |
| A AQL Fluoride (F)                        | mg/l                    | ALM 08            | <0.263 <0.263       |
| A AQL Acid Soluble Calcium (Ca)           | mg/l                    | ALMA 30           | 27.2 28.7           |
| A AQL Acid Soluble Magnesium (Mg)         | mg/l                    | ALMA 30           | 15.5 15.0           |
| A AQL Acid Soluble Sodium (Na)            | mg/l                    | ALMA 30           | 20.9 21.1           |
| A AQL Acid Soluble Potassium (K)          | mg/l                    | ALMA 30           | 7.34 7.11           |
| A AQL Acid Soluble Aluminium (Al)         | mg/l                    | ALMA 31           | 0.056 0.102         |
| A AQL Turbidity                           | NTU                     | ALM 21            | 9.82 0.515          |
| A AQL True Colour                         | mg/l Pt-Co              | ALM 22            | 28.0 <5.00          |
| A AQL Langelier Saturation Index          | LSI                     | ALM 26            | -0.12 -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 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**

Page 1 of 1

**Client:** Moqhaka Local Municipality  
**Address:** Moqhaka Municipality, Hill Street, Kroonstad  
**Report no:** 236782  
**Project:** Moqhaka Municipality

**Date of report:** 06 October 2025  
**Date accepted:** 01 October 2025  
**Date completed:** 06 October 2025  
**Date received:** 01 October 2025

| Lab no:               | 355875                                  | 355876                      | 355877                       | 355878                           |        |        |        |
|-----------------------|---|-----------------------------|------------------------------|----------------------------------|--------|--------|--------|
| Date sampled:         | 29-Sep-25                               | 29-Sep-25                   | 29-Sep-25                    | 29-Sep-25                        |        |        |        |
| Aquatico sampled:     | Yes                                     | Yes                         | Yes                          | Yes                              |        |        |        |
| Sample type:          | Water                                   | Water                       | Water                        | Water                            |        |        |        |
| Locality description: | Steynsrus Fouché Reservoir              | Steynsrus Municipal Offices | Steynsrus Matlwangtlwang Res | Steynsrus Mantlwang Communal Tap |        |        |        |
|                       | <b>Analyses</b>                         | <b>Unit</b>                 | <b>Method</b>                |                                  |        |        |        |
| A                     | AQL pH @ 25°C                           | pH                          | ALM 20                       | 8.47                             | 8.46   | 8.48   | 8.48   |
| A                     | AQL Electrical conductivity (EC) @ 25°C | mS/m                        | ALM 20                       | 31.9                             | 31.8   | 31.9   | 31.9   |
| A                     | AQL Total dissolved solids (TDS)        | mg/l                        | ALM 26                       | 188                              | 191    | 191    | 190    |
| A                     | AQL Total Dissolved solids @ 180°C      | mg/l                        | ALM 24                       | 208                              | 228    | 198    | 214    |
| A                     | AQL Total Alkalinity                    | mg CaCO <sub>3</sub> /l     | ALM 01                       | 133                              | 141    | 138    | 139    |
| A                     | AQL Chloride (Cl)                       | mg/l                        | ALM 02                       | 13.1                             | 12.6   | 13.6   | 13.5   |
| A                     | AQL Sulphate (SO <sub>4</sub> )         | mg/l                        | ALM 03                       | 19.6                             | 19.3   | 19.6   | 19.4   |
| A                     | AQL Nitrate (NO <sub>3</sub> ) as N     | mg/l                        | ALM 06                       | 0.240                            | 0.210  | 0.241  | 0.230  |
| A                     | AQL Total oxidised nitrogen as N        | mg/l                        | ALM 06                       | 0.240                            | 0.210  | 0.241  | 0.230  |
| A                     | AQL Ammonium (NH <sub>4</sub> ) as N    | mg/l                        | ALM 05                       | 0.055                            | 0.054  | 0.063  | 0.054  |
| A                     | AQL Fluoride (F)                        | mg/l                        | ALM 08                       | <0.263                           | <0.263 | <0.263 | <0.263 |
| A                     | AQL Acid Soluble Calcium (Ca)           | mg/l                        | ALMA 30                      | 28.2                             | 28.2   | 28.3   | 28.0   |
| A                     | AQL Acid Soluble Magnesium (Mg)         | mg/l                        | ALMA 30                      | 15.3                             | 15.4   | 15.3   | 15.2   |
| A                     | AQL Acid Soluble Sodium (Na)            | mg/l                        | ALMA 30                      | 21.4                             | 21.3   | 21.2   | 21.0   |
| A                     | AQL Acid Soluble Potassium (K)          | mg/l                        | ALMA 30                      | 7.37                             | 7.32   | 7.29   | 7.23   |
| A                     | AQL Acid Soluble Aluminium (Al)         | mg/l                        | ALMA 31                      | 0.091                            | 0.088  | 0.093  | 0.102  |
| A                     | AQL Turbidity                           | NTU                         | ALM 21                       | 1.42                             | 0.487  | 1.28   | 1.03   |
| A                     | AQL True Colour                         | mg/l Pt-Co                  | ALM 22                       | <5.00                            | 7.00   | 5.00   | 5.00   |
| A                     | AQL Langelier Saturation Index          | LSI                         | ALM 26                       | 0.06                             | 0.07   | 0.07   | 0.07   |

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