



QUALITY LABORATORY SERVICES



Offering service with excellence, Quality Laboratory Services' range of expertise encompasses everything from mineral samples, to waste water and potable water treatment, through to micro-biological analysis.

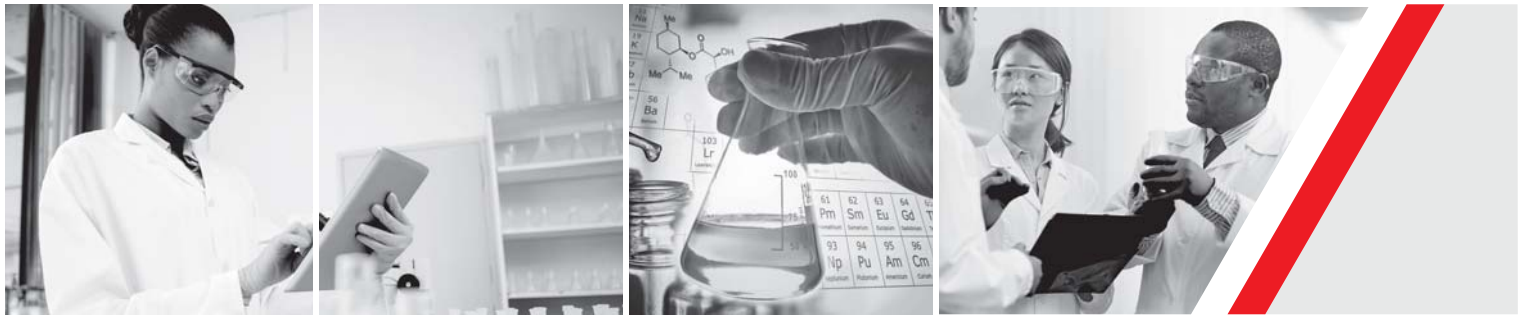
QLS is based in Rustenburg and services the surrounding areas professionally and efficiently. The laboratory is SANAS 17025 accredited, ensuring strict procedures are in place to prevent contamination. On receipt, incoming samples are given a coded reference number and results are emailed to you to ensure confidentiality. The QLS turnaround times are designed to meet the most critical requirements, to give you peace of mind.

The Quality Laboratory Services offerings: Wastewater and potable water treatment

- Operation and management
- Monitoring programs
- Process problem solving
- Process control

Industrial Process

- Industrial processes and effluent monitoring programmes
- Industrial effluent treatment, plant operation and control
- Product loss control and effluent quality surveys
- Pollution risk surveys
- Sewer and storm water pollution control
- Oil-trap monitoring and services
- Effluent process optimisation
- Sampling
- Monitoring programmes
- Borehole sampling and analysis
- Chemical and microbiological evaluations



The Quality Laboratory Services offerings continued:

Analysis of mining, metallurgical and smelter samples

- 4E (PGM)*
- Chromium*
- Base metals
- 6E (Nickel Sulphide collection)
- Iron*
- Sample preparation*
- Screening
- Silicon
- All other metal analysis
- Moisture determination
- Sulphur
- Chemical and microbiological analysis
- Analysis of wastewater, drinking water, swimming pool water, rivers and boreholes

Microbiological Analysis

- Sludge Volume Index
- Colour
- Turbidity
- Settleable Solids
- Total Hardness
- Magnesium Hardness
- Hexavalent Chromium
- Chemical Oxygen Demand
- Oxygen Absorbed
- Oil and Grease
- Phenols
- Mixed Liquor Suspended Solids
- Conductivity
- Metal in Water
- Ca*
- Mg*
- pH
- Chloride*
- Alkalinity
- Nitrate Nitrogen*
- Orthophosphate*
- Total Phosphorus
- Ammonia Nitrogen*
- Kjeldahl Nitrogen
- Fluoride
- Sulphide
- Sulphate*
- Suspended Solids
- Volatile Solids
- Total Dissolved Solids

Microbiological Analysis

- Total Coliforms*
- Faecal Coliforms*
- Total Plate Count*
- E coli*
- Pseudomonas
- Bio-monitoring
- Evaluation of effluent processes, dams, lakes, and river systems

Sludge and Soil Analysis

- Kjeldahl Nitrogen
- Total Phosphorus
- Metals
- % Water
- % Solids
- % Volatile Matter

* Included in the SANAS Accreditation Schedule