



## MINE WATER MONITORING & ANALYSIS



### WHY TEST MINE WATER:

It is imperative to implement regular water sampling and analysis of mine water. Water type classifications can vary significantly in quality and potential for contamination. As environmental factors change over time it is not enough to do water sampling once and never again.



### WHERE TO GO FOR TESTING:

X-Lab Earth Science offers an extensive range of water analysis packages to effectively monitor all aspects of the mining processes.

Our mining package looks at pH, EC, TDS, Total Alkalinity, Major Cations and Anions, including balance calculations. All analyses are accredited.

X-Lab Earth Science provides free sampling kits to ensure sampling volumes and preservations meet international guidelines. We offer comprehensive results reported in customisable formats, turn around times not exceeding 10 working days and aim to accommodate all requirements to the best of our abilities.

Our integrated and flexible IT infrastructure means we use the latest tools to enhance data, delivering it quality-checked and in the required format.



### ABOUT US:

Based in Johannesburg, X-Lab Earth Science offers the most extensive scope of accreditation and one of the best resourced laboratories in South Africa. Our state-of-the-art facility includes cutting edge analytical instrumentation and traditional

wet chemistry techniques based on internationally recognised standards.

Analyses are conducted by a highly qualified and technically competent team, with a diverse background in analytical chemistry and chemical analysis, supported by an experienced quality assurance team.

Our quality system is accredited by SANAS to ISO/IEC 17025.

### PROFICIENCY TESTING:



We participate in international and independent proficient testing schemes, and continually achieve a  $Z < 2$  score. Schemes include SABS (South African Bureau of Standards), LGC (Laboratory of Government Chemists), Aquacheck and Sigma Aldrich.



### GET IN TOUCH:

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# Specialists in Environmental Solutions



X-LAB Earth, accredited by SANAS, to ISO/IEC 17025, specialises in testing, verifying and quantifying environmental risk contaminants across Sub-Saharan Africa.

In addition to assisting our clients to improve their organisation's water quality, ensure legal compliance and solve pressing environmental issues, we offer the only accredited environmental cyanide analyses in South Africa.

Our expertise and experience have taught us that not every organisation has the same testing requirements which is why we pride ourselves on being accessible and receptive to the needs of our clients rather than following a set approach to ever brief.

## FOR MORE INFORMATION:

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## SCOPE SUMMARY

