



## ENVIRONMENTAL CYANIDE ANALYSIS



### WHY TEST FOR CYANIDE:

Cyanide is a by-product or contaminant in many prevalent industries globally. It is extremely toxic to humans and is able to enter the body through inhalation, ingestion or absorption. Cyanide exists in a number of different forms: Total, Weak Acid Dissociable and Free.

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 and supported by an experienced quality assurance team.

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



### WHERE TO GO FOR TESTING:

X-Lab Earth Science is the only laboratory in South Africa to be SANAS accredited to test for all three forms of environmental cyanide species in water. In addition, 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 and turn around times not exceeding 10 working days, accommodating all requirements to the best of our ability.

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



### 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.



### 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



### 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

