



STACK KITS AND ANALYSIS



WHY TEST AIR EMISSIONS:

Getting the right answer from an emission test is as much a function of the quality of the materials and the reliability of the analysis as the hard work in collecting the samples.



WHERE TO GO FOR TESTING:

X-Lab Earth understands the complexity of the chemical analyses required for testing air emissions samples and that this does not mean applying water analyses to absorbing solutions. We have developed kits which include contamination free chemicals and containers for all major methods and have validated our test methods to ensure that we treat samples correctly and report according to required methods. 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 and

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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COMPLIANT TEST KITS:

X-Lab Earth Science provides sampling reagent kits for source emission methods, including filters, absorbing and rinsing reagents. For methods requiring traps, such as US EPA Method 23, the sorbent trap is also included. In addition, we supply safety data sheets for all reagents.



The kits include sufficient reagent for three sampling runs and one blank, provided quantities specified in the methods and standards are adhered to.

ACCREDITATION:

X-Lab Earth Science is an ISO 17025 accredited testing facility and all our activities, including the provision of sampling reagent kits for source emission monitoring, fall under our integrated management system.

As a minimum, we use analytical grade reagents, which meet the requirements of the relevant method or standard. As far as possible, provided the quality is suitable, X-Lab Earth Science uses locally branded reagents, from an approved supplier that is SABS ISO 9001 and 14001 certified. Alternatively, particularly for filters and organic solvents, for example, internationally recognised brands are used.

RANGE OF KITS:

X-Lab Earth Science routinely produce kits for the following source emission testing methods:

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 Particulate matter (US EPA Method 5 & 17 and EN 13284-1)
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 Sulphuric acid and sulphur dioxide (US EPA Method 8)
- 
 Halide and halogen gases (US EPA Method 26/26A, EN 1911 and ISO 15713)
- 
 Metals (US EPA Method 29 and EN 14385 & 13211)
- 
 Poly-aromatic hydrocarbons (US EPA Method 0100)
- 
 Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (US EPA Method 23)



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

