

POLICY STATEMENT

Management at EMAIL is committed to continuous improvement of the effectiveness of the laboratory management system that is in compliance with ISO/IEC 17025:2017, accreditation board requirements and is reviewed yearly, making the laboratory a center of excellence for analysis of a wide range of environmental samples with overall objective of providing quality services to all customers. To achieve this, EMAL uses state of the art equipment, validated test methods, trained and competent staff and ensures that all personnel practice good professionalism by adhering to, familiarizing with and implementing the management system on a day to day basis.

QUALITY OBJECTIVES

In order to provide quality services to its customers, EMAL thrives to achieve the following objectives;

- **To continuously produce precise and accurate results acceptable to customers within the specified analysis time of each parameter. This is achieved through:**

Recruitment of qualified personnel.
Continuous competence assessment of personnel.
Use of validated methods.
Use of appropriate and calibrated equipment
Maintenance of internal quality control checks.
Use of certified reference materials.
Participation in inter-laboratory comparisons.

- To maintain customer expectations by meeting the specified 7 days turnaround time and analyzing customer feedback and taking appropriate action where necessary.
- To safeguard impartiality of the laboratory by putting in place effective structures and management systems.
- To continue improving the effectiveness of the Management

EMAIL - GUARANTEED QUALITY, ACCURACY AND EFFICIENCY

ENVIRONMENTAL MANAGEMENT AGENCY LABORATORY (EMAL)

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EMAL AN ISO 17025 ACCREDITED LABORATORY

A reliable center for biological &
chemical testing



ENVIRONMENTAL MANAGEMENT AGENCY LABORATORY (EMAL)

MICROBIOLOGICAL ANALYSIS



ICP/MS TOP



We specialize in water, soil and folia testing at affordable prices for
chemical and microbiological tests

Training on sampling, water quality testing and monitoring

ACCURATE RESULTS OUT IN 7 WORKING DAYS

EMAL ANALYTICAL PACKAGES

The Environmental Management Agency Laboratory (EMAL) is a national institute built for support and advice on all aspects of environmental quality, research and health pertaining to environmental information.

PACKAGES OFFERED FOR:

- Treated water
- Borehole water for drinking purposes
- Mineral water
- Irrigation water
- Mining Effluent (Incl. Monitoring Boreholes)
- Sewage effluent
- Industrial effluent
- Agricultural effluent
- Ambient water (river, dam, lake)
- Soil testing INC Gold minerals assays
- GCMS screening-pestices, Hydrocarbons etc

Guidelines on sample packaging:

- 2 litres for full chemical analysis
- 500 mls for grease and oil in a glass bottle
- 100 mls for cyanide in a dark /amber glass bottle
- 500 mls sterilised bottles for microbiological samples which will be collected from the lab upon payment
- 2.5L amber bottle for pesticides

State of the art equipment, calibrated and maintained

- Gas Chromatograph Mass Spectrophotometer (GC/MS)
- Inductively Coupled Plasma Mass Spec-trophotometer (Time of Flight) (ICP/MSTOF)
- Atomic Absorption Spectrophotometer (AAS)
- Ultra-Violet Visible Spectrophotometer (UV-Vis Spec)
- Flame photometer
- COD reactor / spectrophotometer
- A lot more equipments



GC/MS Analysis



UV/Vis Analysis

Biological Testing



Why test your water?

For early warning system and correct decision making to:

- prevent pollution in our natural water bodies and the environment
- prevent health problems such as diarrhoea, nausea, cramps, dysentery and hepatitis caused by drinking water with faecal contamination and pathogens.
- avoid bioaccumulation of heavy metals which causes chronic diseases in low doses, and damage to the central nervous system in high doses.
- increase industrial production yield.
- preserve our natural ecosystems
- reduce water purification costs



Metal Analysis

EMAL - Unstoppable to quality improvement

AN ISO 17025 ACCREDITED LAB SINCE 2012

EMAL - Unstoppable to quality improvement