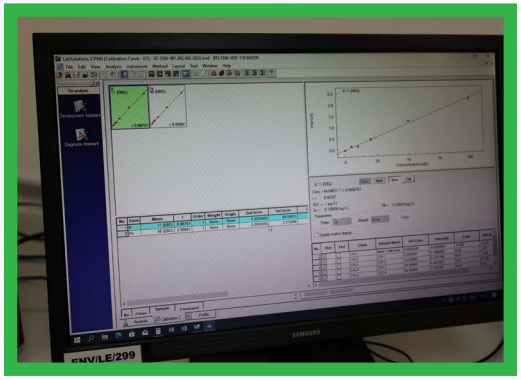
Environmental Laboratory

Brochure







2026-2027

An ISO 9001:2015 Certified Organisation



The Environmental Laboratory

About us

The SBS Environmental Laboratory has been set up principally as the technical arm of the Ministry of Environment and Natural Resources. Over the years, it has expended its scope of testing activities to cover a wide range of tests which are indirectly related to health and the environment.

It is headed by a Principal Chemist, a Chemist and three Technicians. It has actively participated in a wide range of inter-comparison and proficiency tests as a means to independently assess its performance.

The lab is accredited for trace element analysis and physiochemical tests in water and heavy metals in fish.

Environment Laboratory test samples for trace chemical compounds and pollutants. Analysts operate state-of-the-art analytical instrumentation. Samples are tested to check its conformity to Standards and Regulations. Analytical capabilities include trace analysis for metals, contaminants, and other materials.

Environmental laboratory testing expertise:

- Physiochemical Analysis
- Trace Element Analysis

Types of samples tested in this laboratory are:

- Fish and Fish products
- Drinking, Swimming Pool and Waste Water

Our services

01 Samples and parameters we test

The main type of samples and testing capability of the laboratory and reason to have the samples tested are found in the table below:

Sample Type	Test	Reason for Test
Potable Water	Trace Elements, Physico-chemicals test	Compliance to Public Health (Water Examination) Regulations. Compliance to Export of Fishery Products (Sanitary) Regulations
Bottled Water	Heavy Metals & Physico-chemicals	Compliance to Standard Specification for Bottled Water
Swimming Pool Water	Physico-chemicals	Compliance to Public Health (Water Examination) Regulations.
Industrial Waste Water/Effluent	Heavy Metals & Physico-chemicals	Compliance to Environmental Protection Act, 1994
Water for lead-acid batteries	Conductivity, Manganese, Sulphate, Chloride, Ammonia nitrogen, Iron and copper	Compliance to BS 4974:1975
Boiler Water	Heavy Metals & Physico-chemicals	Corrosion monitoring

Sample Type	Test	Reason for Test
Mixing Water for Concrete	Harmful substances (Phosphates, Nitrates, Lead and Zinc)	Quality of Mixing Water for production of Concrete
Soil, Sludge and Compost	Trace Elements & Physico-chemicals	Agriculture use and Environmental Protection
Fish & Fisheries Products	Trace Elements & Physico-chemicals	Compliance to Export of Fishery Products (Sanitary Regulations)

02 Water

Analysis	Cost (SCR)
Trace elements (Each)	625.00
pH	150.00
Ammonia	190.00
Chemical Oxygen Demand	350.00
Biological Oxygen Demand	260.00
Dissolved Oxygen	190.00
Chloride	315.00
Color	150.00
Cyanide	190.00
Conductivity	150.00
Fluoride	190.00
Hardness	150.00
Nitrate	150.00

Analysis	Cost (SCR)
Nitrite	150.00
Total Alkalinity	150.00
Phenol phaleine Alkalinity	150.00
Residual chlorine	150.00
Phosphate	150.00
Sulphate	150.00
Total Dissolved Solid	150.00
Turbidity	150.00
Oil & Grease	375.00
Boron	250.00
Total Phosphorus	150.00
Total Nitrogen	150.00

03 Fish

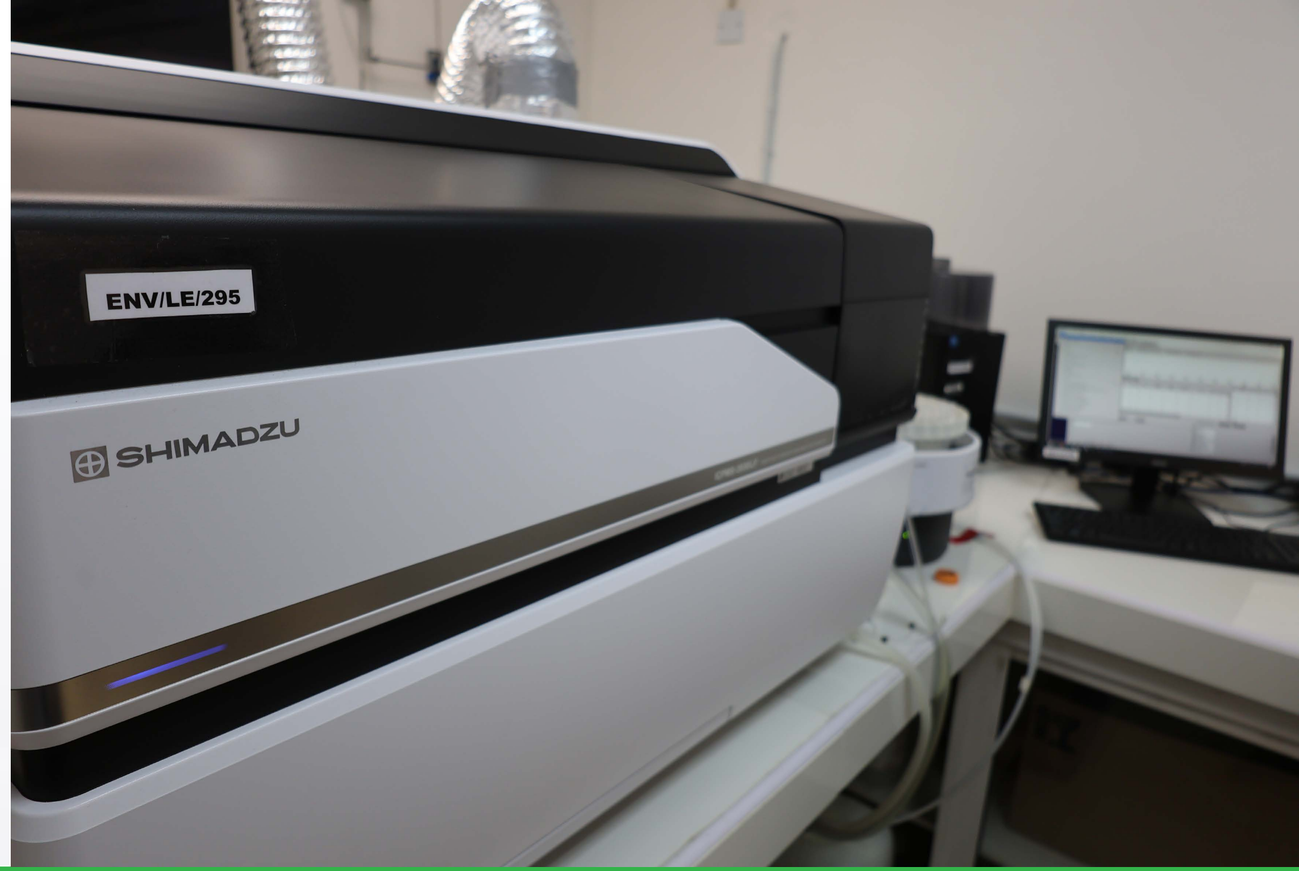
Analysis	Cost (SCR)
Cadmium	625.00
Lead	625.00
Total Mercury	625.00
Total Arsenic	625.00

04 Food and Condiments

Analysis	Cost (SCR)
Trace Elements (Each)	625.00

05 Compost, Sludge and Soil

Analysis	Cost (SCR)
Trace Elements (Each)	625.00
pH	150.00
Moisture	190.00



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