

CPREEC ENVIRONMENTAL LABORATORY

Accredited to

National Accreditation Board for Testing and Calibration Laboratories (NABL)
as per ISO/IEC 17025:2005, Department of Science and Technology, New Delhi.

Certificate No. T-3915



C.P.R. ENVIRONMENTAL EDUCATION CENTRE

(A Centre of Excellence of the Ministry of Environment, Forests & Climate Change, Govt. of India)

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C.P.R. ENVIRONMENTAL EDUCATION CENTRE (CPREEC) is a Centre of Excellence of the Ministry of Environment, Forests & Climate Change, Government of India, established jointly by the Ministry and the CP Ramaswami Aiyar Foundation.

CPREEC has been set up to increase consciousness and knowledge about the environment and the major environmental problems faced by the country today. It has been conducting a variety of programs to spread awareness and interest among the public, including teachers, students, voluntary workers, educators, farmers, women and youth on all aspects of the environment and ecology, with the purpose of promoting the conservation of nature and natural resources.

CPREEC LABORATORY

CPREEC laboratory deals with various aspects of environmental testing, research and development. The laboratory combines the most sophisticated equipments together with a skilled team of analysts in order to provide reliable testing services.

CPREEC laboratory regularly performs comprehensive testing of water samples from various sources, including rivers, lakes, underground aquifers, water used for industrial purposes, swimming pool water and also waste water from industries, hospitals, processing units and colleges.

ANALYSIS CARRIED-OUT

- Chemical analysis of water and waste water
- Analysis of packaged drinking water and construction water
- Ambient air monitoring survey & noise level survey in various locations
- Chemical analysis of soil
- Toxic metal analysis
- Analysis of minerals in water, waste water and soil

HIGHLIGHTS OF OUR LABORATORY SERVICES

- Test reports are furnished at the earliest. Even elaborate tests are completed promptly, with emphasis on personalized service
- Accurate analysis report
- The cost of testing is very reasonable
- An economic package is available for industries to analyse water periodically

PROJECTS CARRIED OUT IN OUR LABORATORY

CPREEC Laboratory has taken up several projects / surveys in the areas of soil, water and ambient air quality.

- Research samples from various colleges
- Soil and water samples from various Government Departments
- Soil and water analysis from private industries

INSTRUMENTS

- UV - Visible Spectrophotometer
- Atomic Absorption Spectrophotometer
- High Volume Sampler
- Flame Photometer
- BOD Incubators



WATER TESTING KIT

CPREEC Laboratory has developed a water testing kit designed to make water analysis easy, less time consuming and, above all, economical. The kit may be used for testing basic water parameters, such as hardness, alkalinity, chloride, etc. and comes with detailed instructions.



SOIL TESTING KIT

Along the lines of the water testing kit, CPREEC Laboratory has also designed a soil testing kit, which can be used to get instant results about soil conditions. The kit is simple to use and very reliable. It can determine the pH and NPK (Nitrogen, Phosphorous and Potassium) levels in the soil.



PARAMETERS ANALYZED IN OUR LABORATORY

1. PARAMETERS FOR WATER

PHYSICAL PARAMETERS : Colour, Turbidity, Odour.

CHEMICAL PARAMETERS : pH, Conductivity, TDS, Alkalinity, Residual Chlorine, Chloride, Total Hardness, Calcium, Magnesium, Sulphate, Manganese, Phosphate, Nitrate, Flouride, Copper, Chromium, Zinc, Sodium, Potassium, Nickel, Lead and Iron.

2. AMBIENT AIR QUALITY

Four major pollutants that have adverse effects on human health are analyzed in our laboratory:

- ☐ SPM (Suspended Particulate Matter)
- ☐ RSPM (Respirable Suspended Particular Matter)
- ☐ NO_x (Oxides of Nitrogen)
- ☐ SO₂ (Oxides of Sulpur)

3. PARAMETERS FOR SOIL

There are several nutrients in the soil that are essential for plants to grow. Soil testing evaluates the nutrients content of the soil and determines the amount and the kind of fertilizer / manure to be added. Without a soil testing programme, crop yields can get drastically reduced.

CPREEC laboratory analyses soils from residential areas as well as agricultural fields. The following parameters are analyzed:

- | | | | |
|---|---------------------------------------|------------------------------------|--------------------------------------|
| <input type="checkbox"/> pH | <input type="checkbox"/> Moisture | <input type="checkbox"/> Nitrogen | <input type="checkbox"/> Phosphorous |
| <input type="checkbox"/> Organic carbon | <input type="checkbox"/> Magnesium | <input type="checkbox"/> Copper | <input type="checkbox"/> Manganese |
| <input type="checkbox"/> Colour | <input type="checkbox"/> Conductivity | <input type="checkbox"/> Potassium | |
| <input type="checkbox"/> Calcium | <input type="checkbox"/> Iron | <input type="checkbox"/> Zinc | |

GET YOUR WATER AND SOIL ANALYZED
We offer you a reliable and accurate analysis.