

Water Industry

Area of testing

EFRAC's water testing laboratory is one of the most exhaustive and well equipped divisions with highly trained professionals and state-of-the-art instrumentation. We are catering to the analytical needs of all industries which produce or use water for one or the other purpose eg. fisheries, hospitality, healthcare, agriculture, manufacturing, food and beverage processing units etc. EFRAC also provides specialised solutions to meet the regulatory and statutory requirements of all the above industries.

Targeted products

- Raw water
- Portable drinking water as per IS- 10500
- Packaged drinking water as per IS-14543
- Packaged natural mineral water as per IS-13428
- Water for food processing IS-4251
- Water for dialysis as per AAMI standard/ISO-13959
- Water for irrigation
- Water for construction as per IS-456
- Water for swimming pool as per IS-3328
- Water for boiler
- Water as per 98/83 - EU
- Water as per WHO
- Water as per US-EPA
- Water for industrial cooling as per IS-8188
- Pet bottle and container analysis as per IS- 15410 and 9845
- Water for basic portability
- Water purifiers for efficacy test
- Packaged drinking water manufacturing companies

Parameters to be tested

- Physical and chemical analysis
- Pesticides
- Microbiological analysis
- Toxic metals
- Pet bottles for portability study
- Pet bottles for colour migration and overall migration analysis
- Efficacy of water purifier
- TOC (Total Organic Carbon)

Method of analysis

AOAC, US-EPA, IS, ASTA, APHA, US-FDA Internal SOP

Equipments to be used for analysis

HPLC, GC-MS MS, LC-MS MS, HRGC-MS, ICP-MS, FTIR, AAS, GPC, Turbovap, Automatic Kjeldahl, Soxhlet digestion units, Rotavapor, IC, Biochemistry analyser, CHNS analyser, TOC analyser, Auto and Karl Fisher titrator etc.

Unique facilities

- Annual contract with packaged drinking water companies for monthly, quarterly and annual testing requirements.
- Basic potability testing of water used in house for drinking.
- Water purifiers performance qualification.

