



EFRAC has independent laboratories for following services:-

- ✓ Residue Analysis
- ✓ Food and Agro Products Analysis
- ✓ Microbiological Analysis
- ✓ Environmental Testing
- ✓ Water & waste water testing
- ✓ Metals & Minerals Analysis
- ✓ Plastic product testing

- ✓ Development and validation of novel analytical method for the analysis of organic pollutants in food water and environmental sample.
- ✓ Dissipation study of different pesticides in soil and water in laboratory conditions.
- ✓ Photo degradation of some selected pesticides & herbicides.
- ✓ Heavy metal contamination studies in fruits, vegetables and milk products.
- ✓ Evaluation of Food safety
- ✓ Development of new organic farming methods.
- ✓ Enhancing the shelf life of perishables fruits, vegetables, flowers, product diversification and value addition for better profitability.
- ✓ Environmental impact assessment and bioremediation of stressed aquatic ecosystem
- ✓ Establish mutually beneficial collaborations with academic and biotech companies to increase EFRAC's visibility.

Research & Development

EFRAC, Eastern India's most sophisticated and ultra-modern facility, is at par with laboratories of international standards. It is an approved project by the Ministry of Food Processing Industries, Government of India, under the 11th Five Year Plan Scheme for setting up / upgradation of Quality control / Food testing Laboratories. An array of food testing and Certification of products will be performed in this facility.

Banking on intellectual capital and technological capability, Edward Food Research & Analysis Center is making inroads in the domain of research and development. A competent team of researchers is working towards development of methods, which can be applied for the betterment of society and environment. Major Thrust areas are:-



COVER STORY

Farmers in West Bengal can now take benefit from the EFRAC's special package for Soil Bio-remediation & Soil Fertility testing, which will help in increasing the crop productivity by knowing in advance the required amount of minerals to be used in the field.

Agricultural and allied food exports have grown 35% in 2010 -11 over previous fiscal year and is expected to grow by 41% by 2011-12. In order to maintain the importers confidence in quality of the product & to meet the stringent Food Safety standards of EU & other Gulf countries, a long term sustainable plan is required which EFRAC can support through its technological advancement & skilled manpower.

This project will benefit all stakeholders of Food processing & allied industries, Food product Exporters, Academic & Research Institutions, Regulatory bodies and concerned govt & non- govt organizations.

Using our state-of-the-art-facilities and technologies, EFRAC offer an extensive array of quality, risk & safety assessments, commodity testing and inspections, auditing and certification of products, processes and systems to applicable international standards with the sole objective to serve our customers with complete solution, Edward Food Research and Analysis Centre Limited (EFRAC), with an investment of Rs. 35 crore, covers a land area of about 21000sq ft in which utmost care has been taken in each and every aspect. The laboratory is one of the best- equipped testing laboratories in India.



Food Safety Clinics –

Food safety is all about handling, preparation and storage of food in many ways that prevent food borne illness. This includes few steps to be followed to avoid potentially severe health hazards. Improperly handled food can transmit disease from person to person as well as growth medium for bacteria that can cause food poisoning.

Food safety is a major concern today. Facilities like EFRAC will surely be helpful in fighting against the monstrous food safety issues like nutrition, hygiene & adulteration and quality of the food products.



Food contamination is of grave concern to all the consumers everywhere.

- Mixing water in milk, synthetic milk.
- Harmful colors in cooking powder and spices.
- Animal fat in ghee.
- Arsenic, lead in water, are all ongoing problems faced by the consumers.



COVER STORY

Vision of EFRAC-

- Continuously strive to achieve the heights of excellence in meeting customers' expectations by focusing on quality services and customer confidentiality.
- Establish the brand EFRAC as the leader of the analytical and R&D services.
- To ensure customer satisfaction by deploying a comprehensive range of state-of-the-art analytical techniques in order to support stringent food safety standards.
- To establish long-term business relationship with customers through cost effective services, accurate and precise test results of outstanding quality.

Mission of EFRAC -

- To devote our services to improve the quality and safety standards of food in our country by connecting EFRAC's expertise at all stages from farm to fork.
- To emerge as one of the most renowned food safety solution provider on global platforms.



 **EFRAC is also setting up Food clinics initiating from West Bengal with a wide expansion of all over India.** 

As a solution to this problem, we have at EFRAC have taken it upon ourselves to set up food clinics in districts and cities, all over India, starting from eastern India, where everyone can come to learn more about the food safety, food testing and research. Efrac is also trying to ensure quality testing kits to be available at all upcoming food safety clinics through which the consumers can do the screening of few major contaminants at their home itself.

EFRAC, which has been scrutinized by the Ministry of Food processing Industries, GOI, offers independent, efficient and cost effective research and analytical services that will expedite reduced business risk to all the Food Processing Industries across the Country.

