

TESTING OF FOOD PRODUCTS

The complete testing of Food Products either packaged or fresh is done in our lab. We also test for safety and transport worthiness. We follow the Guideline of Official methods of analysis of AOAC International and APHA for chemical and microbiological testing.



Nutrients Analysis

Fat, Protein, Moisture, Ash, Carbohydrate, Calorific value, Vitamins.



Pesticide Residues

Pesticide analysis is done routinely in water, food and Agri-products. We follow the EPA, APHA, AOAC and BIS guideline for extraction, cleanup and analysis of the samples.

- ★ Organochlorine pesticide by GCMS.
- ★ Organophosphorous pesticides by GCMS.
- ★ Carbamates by HPLC with Pickering lab kit.

Toxic Metals

Elements such as volatile metal (As, Hg & Se) and non volatile metals (Cd, Pb, Sb, Cu, Cr, Zn etc) present in excessive amounts in foods are treated as Toxic metals. These elements induce toxin effects on human metabolism.

Microbiological Testing

We have the facility for the detection of the micro-organisms, enumeration and their toxins in water, food and agri-products, under the guidelines of AOAC, SP, IS and APHA.

Packaging Materials

Testing of packaging materials for their physicochemical properties, safety and transport worthiness. Migration testing for food-grade quality of plastic packaging materials. Evaluation of finished packages for performance under simulated storage and distribution conditions.



Types of Food Products

- ▶ Animal Feeds
- ▶ Dairy Products
- ▶ Non-Alcoholic drinks
- ▶ Bakery and confectionary
- ▶ Food grains, Cereal and Pulse



- ▶ Spices and condiments
- ▶ Food additives and supplements
- ▶ Meat, poultry and derived products
- ▶ Edible oils, fats and derived products
- ▶ Nuts, fruit, vegetables and derived products

Certifications / Approvals

- > ISO 9001 - 2000
- > IS 17025 - 2005
- > ISO 14000 - 2004
- > Ministry of Environment & Forest under EPA, 1986 (MOEF Approval).
- > State Pollution Control Boards (Haryana, Himachal Pradesh, Orissa)

Major Equipments for Food Testing

- > GC-MS - FINNIGAN
- > GC-Nucon
- > HPLC - SHIMADZU
- > AAS
- > Polarimeter
- > Refractometer
- > ELISA
- > Biosafety Chamber
- > Laminar Air flow
- > Incubator
- > ICP/OES- Varian
- > Microscope
- > Colony Counter
- > Centrifuge
- > Autoclave
- > Weighing Machine
- > pH meter
- > BOD incubator
- > Vortex Shaker
- > Hygrometer
- > CO2 Incubator-Nuair
- > HPLC - Pickering Lab

Major Customers

- > The Saraswati Sugar Mills
- > Parle Biscuits (P) Ltd.
- > Assam Valley Foods
- > Haldiram Snacks Pvt Ltd.
- > World Food Programme
- > Brellania Industries Ltd.

Other Testing/Calibration Services

- > Mechanical Testing
- > Building Materials Testing
- > Electrical Testing
- > Drugs & Cosmetics
- > Food Testing
- > Leather & Textile Testing
- > Water Testing
- > Microstructure Testing
- > Electrical Calibration
- > Electro-Thermal Calibration
- > Mechanical Calibration
- > Petroleum Testing
- > Polymer Testing
- > Paint Testing
- > Microbiological Testing
- > Coal & Oil Testing



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