



TESTING OF PACKAGING MATERIAL



Testing of various Packaging Material used for food contact:

Paper, Cardboard, Cans, Bottles, Plastic Films, Polythene, Pouches, Rubber, Plastics, etc.

1) Physical & Mechanical Tests

- Transparency testing
- Tensile strength
- Vibration test
- Drop test

2) Overall Migration / Amount of Extractive, Specific Migration, Toxic Heavy Metals, Color Migration, Primary Amines, Phthalates, Benzophenone, Formaldehyde, Poly chlorinated biphenyl (PCB), Poly Aromatic Hydrocarbon (PAH), Penta Chloro Phenol (PCP),

3) Microbiological Tests

All the above tests mentioned can be conducted as per Indian Standard/ EN Standard / US-FDA / ASTM/EC Regulation, etc.



HYGIENE TESTING

- Swab Sampling for detection of bacterial count, detection & enumeration of various Bacterial & Fungal
- Membrane Air Sampling by:
- Sealed Plate Technique
- Active Air Sampler



FHHL PRIVATE LIMITED

Sr. No. 126/10, Plot No. 1, Hadapsar Industrial Estate, Hadapsar, Pune - 411 013, India.
+91 98812 37321 / 83800 74695 | info@fhhl.in | www.fhhl.in



FHHL PRIVATE LIMITED

(Food Hygiene & Health Laboratory)



Testing of Food and
Processed Food Products



Testing of all types of Water



Environmental Pollution
Monitoring & Analysis



Testing of Environmental
samples like - soil,
Hazardous Waste, Sludge, etc.



Testing of
Packaging Material



Hygiene Testing



INTRODUCTION

- FHL Private Limited is a Commercial Food, Water and Environmental Testing Laboratory registered under the Ministry of Micro, Small and Medium Enterprises (MSME).
- FHL specializes in Chemical, Biological & Mechanical Testing for diversified products in Food & Processed Food Products, all types of Water samples, Environmental Pollution Monitoring & analysis of Environmental Samples and Packaging material.
- FHL has been of experienced experts / professionals, focussed on delivering services for Laboratory analysis, Environmental monitoring & consultancy in various fields,
- **Total built up area of the laboratory is 15,000 sq.ft.**

CERTIFICATES / APPROVALS / ACCREDITATION

Recognized by
Export Inspection Council (EIC)



Recognized by
**Agri-Export
APEDA**
Authority (APEDA)



Accredited by NABL as per
ISO / IEC 17025 : 2017 - for
Chemical, Biological & Mechanical
field



Recognized by Bureau India
Standards



Recognized and Notified by
**FSSAI (FOOD SAFETY AND
STANDARDS AUTHORITY
OF INDIA)**




Recognized as an Environmental
Laboratory under EPA 1986 by
**Ministry of Environment & Forests &
Climate Change (MoEF & CC)**





FOOD & PROCESSED FOOD PRODUCTS

- Food Grains, Cereals & Pulses
- Animal Food and Feed
- Nutritional Supplements and Nutraceuticals Products
- Infant Foods
- Tea / Coffee / Chicory / Cocoa & their products
- Milk / Dairy Products
- Sugar & Sugar Products
- Jaggery
- Spices, Condiments & related products
- Oils, Fats and their products
- Bakery & Confectionary Products
- Vegetables & Processed Vegetable Products
- Organic Products
- Fruits & Processed Fruit Products
- Alcoholic/Non-Alcoholic Beverages
- Snacks & Ready to Eat Food Products
- Meat & Poultry Products
- Seafood
- Cooked Food
- Frozen / Processed / Retort / Canned Foods
- Egg & Egg Products
- Nutraceutical and Nutritional Supplement Products
- Food contact Packaging Material

TYPES OF TESTING

- Nutritional Analysis -
 - Protein, Carbohydrate, Total Fat,
 - Total Energy, Sugar
 - Fatty Acid Profile testing
 - Vitamins (Fat-soluble & Water-soluble)
 - Essential Minerals & other minerals
 - Cholesterol
- Shelf life (Accelerated & Real time)
- Pesticide Residue Testing as per FSSR, EU, APEDA, NPOR CODEX and other international requirements
- Residue Analysis of (ETO) Ethylene Oxide and 2-Chloroethanol
- Food adulterants
- Testing as per Food Safety Standards Regulation, 2011 (FSSR)
- Quality Test Parameters
- Food Adulterants
- Heavy Metals
- Melamine
- Mycotoxins - Aflatoxins, Ochratoxin, Patulin
- Naturally Occurring Toxic Substances (NOTS)
- Pesticide Residue Analysis as per FSSR,
- Microbial Contamination - Enumeration & Detection of Microbial & Fungal Pathogens
- Toxic metals and Migration Test- Food packaging material as per Food Safety & Standard (Packaging) Regulation, 2018



TESTING OF WATER

- Water from sources - Wells, Bore wells, Taps, Storage Tanks, River, Ponds and Lake
- Drinking water as per IS 10500
- Purified water (RO / UV treated)
- Packaged drinking water as per IS 14543
- Packaged natural mineral water as per IS 13428
- Swimming pool water
- Industrial process water as per IS 4251
- Industrial & Domestic waste water (Effluent)

TYPES OF TESTING

- A) Chemical
 - Essential & toxic metals
 - Pesticide residues
 - Contaminants
 - Persistent organic pollutants
 - Organoleptic & Physical Parameters
 - Minerals & Undesirable substances
- B) Microbiological analysis - Enumeration & Detection of Bacterial Pathogens / Yeast, Mold & Fungi

ENVIRONMENTAL POLLUTION MONITORING & ANALYSIS OF ENVIRONMENTAL SAMPLES

- Ambient air quality monitoring survey as per NAAQS / EPA / Indian standards
- Fugitive / Chemical fumes emission monitoring
- Performance study for pollution control systems, such as Scrubber, BAG Filter, Dust collector & ESP
- Work zone / Indoor air quality monitoring
- as per OHS / NIOSH / Indian Factories Act, 1948
- Ambient & work zone noise level monitoring
- Illumination & ventilation survey
- DG Insearion Loss Monitoring
- Meteorological survey (Wind speed, Wind direction, Temperature, Humidity & Rainfall)
- Measurement of Air quality index (AQI)
- Compressed air quality monitoring as per ISO 8573
- Microbial count present in air
- Heat stress index
- Testing of Environmental samples like - Soil, Hazardous Waste, Sludge, etc.

