



SHRIRAM FOOD & PHARMA RESEARCH CENTRE



FOOD TESTING



WATER TESTING



COSMETIC TESTING



MICROBIOLOGICAL TESTING



PHARMACEUTICAL TESTING



ISO/IEC 17025 | NABL ACCREDITED LABORATORY

CONTACT US

+919871430676

+918130353335

Mail : info@shriramlab.org

Website: www.shriramlab.org

TABLE OF CONTENTS

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



About Us 3

From Managing Director's Desk 4

Vision and Mission 5

Our Certificates & Approvals 6

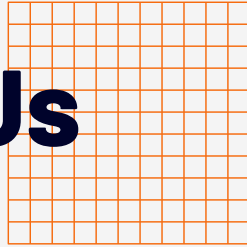
Our Esteemed Clients 10

Our Testing Services 11

List of Instruments & Equipments 32

Contact Information 37

About Us



SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



Shriram Food and Pharma Research Centre is a leading testing and research facility located in Ghaziabad, Uttar Pradesh. Our laboratory offers comprehensive testing and research services to the food and pharmaceutical industries, providing accurate and reliable results to ensure the safety and quality of their products.

Our team of highly qualified experts and state-of-the-art facility enable us to perform a wide range of tests and analyses customized to meet the unique needs of our clients. With a commitment to excellence, accuracy, and compliance. We provide fast, reliable, and cost-effective testing solutions to support our clients' quality and safety objectives.

At Shriram Food and Pharma Research Centre, we are dedicated to helping our clients achieve their business objectives by providing customized testing and research solutions. Our goal is to establish long-term partnership with our clients and be their trusted advisor for all their testing and research needs.

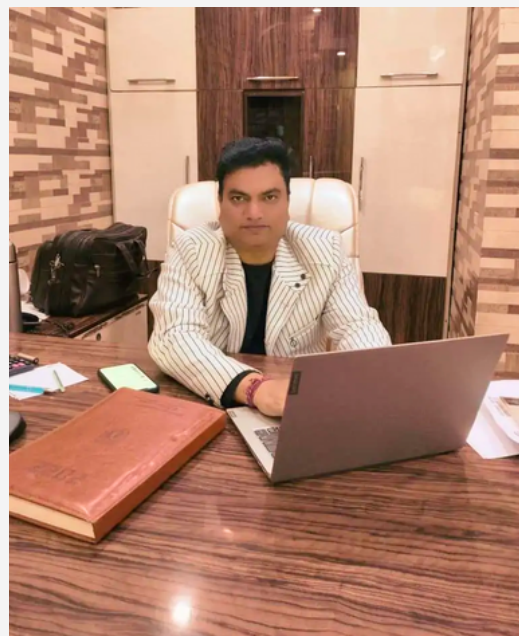


From Managing Director's Desk

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



On behalf of the Shriram Food & Pharma Research Centre, I am honored to welcome you to our website. Our laboratory has emerged as one of the leading laboratories in the field of testing services in India. Over 20 years, we have been providing our clients with the highest quality of testing services, helping them to meet their regulatory and quality requirements and ensuring the safety and efficacy of their products.



Alok Chaurasia

Managing Director

We have always believed that "Quality is our utmost priority", thus ensuring rigorous testing methods. Our continuous effort is on expansion to meet a broad range of standards and overall development of analytical processes and skills. Every department is regularly reviewed, and corrective actions are taken wherever necessary. However, we believe that there is always scope for improvement in the journey towards excellence.

Hence, your valuable suggestions are solicited
Mail: info@shriramlab.org



SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



Vision & Mission

Vision

Our vision is to be a global leader in testing and research services for the food and pharmaceutical industry. We aspire to drive innovation, excellence, and safety in these sectors by continuously pushing the boundaries of scientific knowledge. Our goal is to be the foremost choice for our clients, setting the standard for accuracy and reliability in testing, and contributing to a safer and healthier world through our unwavering commitment to quality.



Mission

Our mission at Shriram Food and Pharma Research Centre is to provide cutting-edge, customized testing and research solutions to our clients in the food and pharmaceutical industries. We are dedicated to ensuring the safety and quality of their products, upholding the highest standards of accuracy and compliance. We aim to foster long-term partnerships, delivering fast and cost-effective results that enable our clients to achieve their business objectives. Through our mission, we strive to be the trusted advisor, making a positive impact on the industry and society as a whole.



Our Certificates

**SHRIRAM FOOD & PHARMA
RESEARCH CENTRE**



NABL Accreditation

NABL
National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

QC LAB, SHRIRAM FOOD & PHARMA RESEARCH CENTRE

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

AO-150, SECOND FLOOR, AMRIT STEEL COMPOUND, UPSIDC INDUSTRIAL AREA, GT ROAD, GHAZIABAD, UTTAR PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-12803
Issue Date: 28/12/2023 Valid Until: 27/12/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: SHRIRAM FOOD & PHARMA RESEARCH CENTRE

Signed for and on behalf of NABL

N. Venkateswaran
N. Venkateswaran
Chief Executive Officer

Certificate

This is to Certify that

SHRIRAM FOOD AND PHARMA RESEARCH CENTRE
PLOT NO: AO-150, SECOND FLOOR, AMRIT STEEL COMPOUND, SOUTH SIDE GT ROAD INDUSTRIAL AREA, GHAZIABAD - 201001, UP, INDIA

has been found in Compliance with requirements of

Environmental Management System

ISO 14001:2015

for the following scope:

COMPLETE TESTING IN VARIOUS TYPES OF FOOD AND FOOD PRODUCTS, PHARMACEUTICALS, DRUGS, COSMETICS WATER OF VARIOUS TYPES.

Certificate No. : EMS/A850/0223
Original Certificate Date : 23-February-2023
Issue Date : 23-February-2023
Expiry Date : 22-February-2026

[Signature]
Authorized Signature

Quality Control Certification
UK Office: 82, ADLEY STREET, LONDON - E5 8DZ, United Kingdom
India Office: 2nd Floor, Aman Market, Narela Mandi, Delhi - 110 040, India

To check this certificate status visit: <http://qaai.org.uk/certifiedorganization>

ISO 14001:2015 CERTIFIED

Certificate

This is to Certify that

SHRIRAM FOOD AND PHARMA RESEARCH CENTRE
PLOT NO: AO-150, SECOND FLOOR, AMRIT STEEL COMPOUND, SOUTH SIDE GT ROAD INDUSTRIAL AREA, GHAZIABAD - 201001, UP, INDIA

has been found in Compliance with requirements of

Occupational Health and Safety Management Systems

ISO 45001:2018

for the following scope:

COMPLETE TESTING IN VARIOUS TYPES OF FOOD AND FOOD PRODUCTS, PHARMACEUTICALS, DRUGS, COSMETICS WATER OF VARIOUS TYPES.

Certificate No. : OHSMS/A852/0223
Original Certificate Date : 23-February-2023
Issue Date : 23-February-2023
Expiry Date : 22-February-2026

[Signature]
Authorized Signature

Quality Control Certification
UK Office: 82, ADLEY STREET, LONDON - E5 8DZ, United Kingdom
India Office: 2nd Floor, Aman Market, Narela Mandi, Delhi - 110 040, India

To check this certificate status visit: <http://qaai.org.uk/certifiedorganization>

ISO 45001:2018 CERTIFIED

Certificate

This is to Certify that

SHRIRAM FOOD AND PHARMA RESEARCH CENTRE
PLOT NO: AO-150, SECOND FLOOR, AMRIT STEEL COMPOUND, SOUTH SIDE GT ROAD INDUSTRIAL AREA, GHAZIABAD - 201001, UP, INDIA

has been found in Compliance with requirements of

Quality Management System

ISO 9001:2015

for the following scope:

COMPLETE TESTING IN VARIOUS TYPES OF FOOD AND FOOD PRODUCTS, PHARMACEUTICALS, DRUGS, COSMETICS WATER OF VARIOUS TYPES.

Certificate No. : QMS/A84F/0223
Original Certificate Date : 23-February-2023
Issue Date : 23-February-2023
Expiry Date : 22-February-2026

[Signature]
Authorized Signature

Quality Control Certification
UK Office: 82, ADLEY STREET, LONDON - E5 8DZ, United Kingdom
India Office: 2nd Floor, Aman Market, Narela Mandi, Delhi - 110 040, India

To check this certificate status visit: <http://qaai.org.uk/certifiedorganization>

ISO 9001:2015 CERTIFIED



Approval for Carrying out Tests on Drugs and Raw Materials

Number of approval and date of issue UP1437000002 , 16/02/2024

FORM 37

[(See rule 150C)]

Approval for carrying out tests on drugs and raw materials used in their manufacture on behalf of licensees for manufacture for sale of drugs

Number of approval and date of issue UP1437000002 , 16/02/2024

1. Approval is hereby granted to **SHRIRAM FOOD AND PHARMA RESEARCH CENTRE** for carrying out tests for identity, purity, quality and strength on the following categories of drugs and the raw materials used in the manufacture thereof on the premises situated **AO-150, Second Floor, Amrit Steel Compound, South Side, G.T. Road Industrial Area, Bajarla, Ghaziabad, Uttar Pradesh, 201001**

(a) Categories of drugs

- | | | |
|------|---|--|
| (1). | | Drugs other than those specified in Schedules C and C (1) and also excluding Homoeopathic Drugs |
| | 1 | Crude vegetable drugs |
| | 2 | Drugs requiring the use of ultraviolet / Infra Red. or Chromatography |
| | 3 | Disinfectants |
| (2). | | Drugs specified in Schedules C and C (1) |
| | 1 | Antibiotics |
| | 2 | Vitamins |
| | 3 | Parenteral preparations |
| | 4 | Drugs requiring microbiological tests |
| | 5 | Drugs requiring the use of Ultraviolet/ Infra Red/ Spectrophotomete or Chromatography |

(3) **Homoeopathic drugs**
Firm Category: Manufacturing Sections

2 Names of [competent technical staff] employed for testing and the person-in-charge of testing		
Name	Qualification	WorkRole
Umesh Kumar	Post graduate	Analytical Chemist

3. The approval, unless sooner suspended or cancelled, shall remain valid perpetually. However, the compliance with the conditions of approval and the provisions of the Drugs and Cosmetics Act, 1940 (23 of 1940) and the Drugs and Cosmetics Rules, 1945 shall be assessed not less than once in three years or as needed as per risk based approach.

4. The approval is subject to the conditions stated below and such other conditions as may be specified in the rules for the time being in force under the Act.

Date : 16/02/2024

Signature

Drug Controlling and Licensing Authority

Conditions of Licence

- This approval shall be kept in the approved premises and shall be produced at the request of the Inspectors appointed under the Act.
- If the approved institution wishes to undertake during the currency of the approval the testing of any other category of drugs it should apply to the approving authority for necessary endorsement as provided in rule 150-B. This approval will be deemed to extend to the item so endorsed.
- Any change in the analytical staff or in the person-in-charge of the testing shall be forthwith reported to the approving authority.
- The approved institution shall inform the approving authority in writing in the event of any change of the constitution of the institution operating under this Form. Where any change in the constitution of the institution takes place, the current approval shall be deemed to be valid for a maximum period of three months from the date on which the change takes place unless in the meantime, a fresh approval has been taken from the approving authority in the name of the institution with the changed constitution.



Digitally signed by Shashi Mohan Gupta
Date: 2024.02.16 01:44:29 PST





Approval For Testing Cosmetics

Form COS- 23

[(See Rule 56(1), 56(2), 58(1), 59, 60(1) and 62)]

Approval for carrying out tests on cosmetics and raw materials used in their manufacture on behalf of licensees for manufacture for sale of cosmetics

1. Number of approval and date of issue: 02/Cosmetics Testing Lab of 2024 Date 23/02/2024
2. Approval is hereby granted to M/s Shriram Food & Pharma Research Centre, , for carrying out tests for identity, purity and quality on the following items of cosmetics and the raw materials used in the manufacture thereof on the premises situated, AO-150, Second Floor, Amrit Steel Compound, G.T. Road, Industrial Area, District- Ghaziabad- 201001 (U.P.)

Items of cosmetics

Cosmetics and raw materials used in their manufacturer on behalf of licensees for manufacture for sale of cosmetics.

3. Names of competent technical staff employed for testing and the person-in-charge of testing.
(i) Mr. Umesh Kumar, M.Sc. (Chemical/Instrumentation/Microbiological)
4. The approval shall be in force from 23-02-2024 to 22-02-2024
5. The approval is subject to the conditions stated below and such other conditions as may be specified in the rules for the time being in force under the Act.

Dated: 23/02/2024

(Shashi Mohan Gupta)

Drug Licensing and Controlling Authority, UP

Conditions of Approval

1. This approval shall be kept in the approved premises and shall be produced at the request of the Inspectors appointed under the Act.
2. If the approved institution wishes to undertake during the currency of the approval the testing of any other items of cosmetics it should apply to the State Licensing Authority for necessary endorsement as provided in Rule 56. This approval will be deemed to extend to the item so endorsed.
3. Any change in the analytical staff or in the person-in-charge of the testing shall be forth with reported to the State Licensing Authority.
4. The approved institution shall inform the State Licensing Authority in writing in the event of any change of the constitution of the institution operating under this Form. Where any change in the constitution of the institution takes place, the current approval shall be deemed to be valid for a maximum period of three months from the date on which the change takes place unless in the mean time, a fresh approval has been taken from the State Licensing Authority in the name of the institution with the changed constitution.

Our Certificates

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



CPCB - Letter of Recognition

CPCB - Letter of Recognition



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./ Date: 08th February 2024

Recognition Letter

To,

The Head of Laboratory,
M/s Ghaziabad Testing Laboratories Pvt. Ltd
AO-150, Amrit Steel Compound, South Side,
G.T. Road Industrial Area, Ghaziabad -201001,
Uttar Pradesh.

Subject: Recognition of M/s Ghaziabad Testing Laboratories Pvt. Ltd. AO-150, Amrit Steel Compound, South Side, G.T. Road Industrial Area, Ghaziabad -201001, Uttar Pradesh as Environmental laboratory under the Environmental (Protection) Act- 1986 - reg.

Sir

With reference to your application dated 18/10/2023 along with acceptance of the terms & conditions of the guidelines for recognition of environmental laboratories under the Environmental (Protection) Act, 1986, submitted to Central Pollution Control Board (CPCB), the Competent Authority of CPCB has accorded approval for recognition of Environmental laboratory and Govt. Analysts. Subsequently, M/s Ghaziabad Testing Laboratories Pvt. Ltd. AO-150, Amrit Steel Compound, South Side, G.T. Road Industrial Area, Ghaziabad -201001, Uttar Pradesh shall be notified considering the current requirement of mandatory accreditation / certifications of the laboratory with a validity up to 18/01/2025 in the Gazette Notification of India.

2. The following analysts have been approved as Government Analysts:

1. Sh. Lokesh Kumar
2. Ms. Rakhee
3. Sh. Vivek Tyagi

3. The laboratory should compulsorily follow the accepted terms and conditions and may undertake the following tests:

- a) **Physical Tests**-Conductivity, Colour, pH, Fixed & Volatile Solids, Total Solids, Total Dissolved Solids, Total Suspended Solids, Turbidity, Temperature, Velocity & Discharge Measurement of Industrial Effluent Stream, Odour, Salinity, Settleable Solids and Sludge Volume Index.
- b) **Inorganic (General and Non-metallc):** Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine Residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Silica, Cyanide and Sulphide.
- c) **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio, Zinc, Arsenic, Aluminium, Barium, Manganese, Selenium, Silver, Tin, Antimony and Cobalt.
- d) **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organo-Chlorine and Organo Nitrogen-Phosphorus), Surfactants, Poly-Chlorinated Biphenyl (PCB's) each and Polynuclear Aromatic Hydrocarbon (PAH).
- e) **Microbiological Test:** Total Coliform, Faecal Coliform, *E. coli*, Faecal Streptococci and *Enterococcus*.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parvesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website: www.cpcb.nic.in

Contd.

Page-1

- f) **Toxicological Tests:** Bioassay Method for Evaluation of Toxicity Using Fish (90% survival of fish after 96 hrs in 100% effluent) and Measurement of Toxicity Factor Using Zebra Fish (Dimensionless Toxicity Test).
 - g) **Characterization of Hazardous Waste:** Preparation of Leachate (TCLP Extract/Water Extract), Corrosivity, Ignitibility (Flash Point), Toxicity and Measurement of Heavy Metals/Pesticides in the Waste/Leachate.
 - h) **Soil/Sludge/Sediment and Solid Waste:** Boron, Cation Exchange Capacity (CEC), Electrical Conductivity, Nitrogen (Available), Organic Carbon/Matter (Chemical Method pH, Phosphorous (Available), Phosphate (Ortho), Phosphate (Total), Potassium, SAR in Soil Extract, Sodium, Soil moisture, TKN, Calorific Value, Ammonia, Bicarbonate, Calcium, Calcium Carbonate, Chloride, Colour, Heavy Metal, Magnesium, PAH, Sulphate, Total Water Soluble Salt and Water Holding Capacity.
 - i) **Ambient Air/ Fugitive Emissions:** Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter PM₁₀, Ammonia, Carbon Monoxide, Lead, Ozone, and PM_{2.5}.
 - j) **Stack Gases/ Source Emission:** Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid Mist, Ammonia, Fluoride (Gaseous), Hydrogen Sulphide and Carbon Disulphide.
 - k) **Noise Level:** Noise Level Measurement (20-140 dBA) and Ambient Noise and Source Specific Noise.
 - l) **Meteorological:** Ambient Temperature, Wind Direction, Wind Speed, Relative Humidity, Solar Radiation and Rain Fall.
4. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) Exercise conducted by the CPCB to ascertain the capability of the laboratory and analysts. The lab shall submit quarterly progress report on the sample analysis carried out to CPCB.
 5. The surprise inspection / periodic surveillance of the recognized environment laboratory will be undertaken to assess its proper functioning systematic operation and reliability of data generated at the laboratory by a Joint Team as per the Notification.
 6. The laboratory should have the mandatory requisite accreditation and certificate of the ISO: 17025 and ISO:45001 as per rules. This recognition is subject to such accreditations and renewals as applicable and in case of serious non-compliance of any of the terms and conditions, the laboratory may be black listed for a minimum period of two years and civil/criminal proceedings, as applicable, may be initiated for performing functions on behalf of the Government in an unauthorized manner.
 7. M/s Ghaziabad Testing Laboratories Pvt. Ltd. Ghaziabad, Uttar Pradesh is required to apply for further renewal of recognition through online using CPCB web portal (<https://cpcbepalab.in/epalab>) before expiry of recognition with mandatory accreditation / certification concerned.

Yours faithfully,

K. Ranganathan
(Dr. K. Ranganathan)
Scientist-E & Divisional Head
Instrumentation laboratory

डॉ. के. रंगनाथन / Dr. K. Ranganathan
श्रीराम फूड & फार्मा 'ई'
पर्यावरण वन एवं जलवायु परिवर्तन विभाग
डी. हेड ऑफ इंस्ट्रुमेंटेशन लैबोरेटरी
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
परिवेश भवन, पूर्वी अर्जुन नगर, नया दिल्ली
Min. Environment, Forest & Climate Change, Govt. of India
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032
Parvesh Bhawan, East Arjun Nagar, Delhi-110032

Page-2

Our Esteemed Clients

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



1. FOOD TESTING



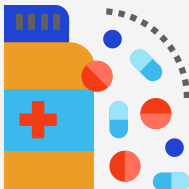
2. WATER TESTING



3. COSMETIC TESTING



4. MICROBIOLOGICAL TESTING



5. PHARMACEUTICAL TESTING

Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



1. Food & Agricultural Testing

Our testing laboratory is dedicated to providing top-notch services for clients in the food and agriculture industries. We specialize in testing food and agricultural products, animal food and feed, and marine foods, and we are committed to ensuring the safety and quality of these products. We use advanced technology and testing methods to analyze our clients' products and identify any potential contaminants, providing them with the information they need to make informed decisions about their products.

Our team of experienced professionals is committed to providing personalized services that meet the unique needs of each client. We understand the importance of food safety and quality, and we work tirelessly to ensure that our clients' products meet regulatory standards and consumer expectations. Our testing services include microbiological, chemical, and physical testing, and we can customize our services to address specific concerns or requirements. Whether you are a small-scale farmer or a large food manufacturer, our testing services can provide you with peace of mind and help you ensure the safety and quality of your products.

Why Quality Testing is Necessary for Food Industries ?

Testing in food products is essential to ensure their safety and quality. This involves a range of tests to detect potential contaminants, such as bacteria, viruses, and chemicals, that could pose a health risk to consumers. Food testing also helps to verify the accuracy of labeling and nutritional claims, as well as to ensure compliance with regulatory guidelines. With the increasing global trade of food products, testing plays a crucial role in preventing foodborne illnesses and protecting public health. At our testing laboratory, we offer comprehensive testing services for food products, using advanced technology and testing methods to provide clients with reliable and accurate results.

There are several types of quality testing in food products, each serving a different purpose. Microbiological testing is used to detect bacteria, viruses, and other microorganisms that may cause foodborne illnesses. Chemical testing is used to detect contaminants such as pesticides, heavy metals, and additives that may pose a health risk to consumers. Physical testing is used to ensure that food products meet certain standards for texture, appearance, and other physical characteristics. Sensory testing involves evaluating the taste, smell, and texture of food products to ensure their overall quality and consumer appeal. Nutritional testing is used to verify the accuracy of labeling and nutritional claims, ensuring that consumers have access to accurate information about the food products they consume. At our testing laboratory, we offer a range of quality testing services for food products to ensure their safety and quality, helping our clients to meet regulatory guidelines and consumer expectations.

Testing in Food & Agricultural Products

Microbiological Testing:

- Total Plate Count (TPC)
- Coliforms Testing
- E.coli Testing
- Salmonella Testing



- Yeast and mold Testing
- Enterobacteriaceae Testing
- Aerobic Plate Count (APC)
- Staphylococcus aureus Testing
- Bacillus cereus Testing
- Listeria Testing





Chemical & Physical Testing:

- Pesticide Residue Testing
 - Heavy Metal Testing
 - Mycotoxin Testing
 - Antibiotic Residue Testing
 - Additive Testing
 - Nutrient Analysis
 - Allergen Testing
 - Fatty Acid Analysis
-
- Appearance and Color Testing
 - Texture Testing
 - Viscosity Testing
 - Density Testing
 - pH Testing
 - Water Activity Testing
 - Specific Gravity Testing
 - Particle Size Distribution Testing



Sensory Testing:

- Taste Testing
- Smell Testing
- Texture Testing
- Appearance Testing
- Flavor Testing
- Odour Testing

Nutritional Testing:

- Nutritional Testing:
- Proximate Analysis (Moisture, Ash, Protein, Fat, Carbohydrates)
- Vitamin Analysis
- Mineral Analysis
- Amino Acid Analysis
- Fatty Acid Analysis
- Dietary Fiber Analysis
- Caloric Content Analysis
- Cholesterol Analysis



Testing for Various Kinds of Food Products

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



- Milk & Dairy Products
- Beverages (Alcoholic/Non-Alcoholic)
- Fruit and Fruit Products
- Herbs, Spice and Condiments
- Infant Foods
- Jams, Juices, Sauces & Concentrates
- Nuts and Nut Products
- Meat and Meat Products
- Vegetable and Vegetable Products
- Edible Oils & Fats
- Cereals, Pulses & Cereal Products
- Bakery and Confectionery Products
- Oil Seeds & By-Products



- Poultry & Poultry Product
- Egg & Egg Product
- Canned & Processed Foods
- Coffee & Cocoa Products
- Honey & Honey Products
- Snacks and Instant Mixes
- Animal Nutrition Supplements
- Aquaculture Feed Additives
- Pet Foods
- Poultry Feed Additives
- Fish and Fish Product



Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



2. Pharmaceutical Testing

Pharmaceutical products play a crucial role in the healthcare industry, and ensuring their safety and efficacy is of utmost importance. At our testing facility, we offer a wide range of testing services for pharmaceutical products to help guarantee that they meet the highest quality standards.

Our team of experts uses cutting-edge techniques and equipment to perform various tests, including chemical, microbiological, physical, and toxicological testing. We work closely with our clients to develop custom testing plans that meet their specific needs and requirements.

Whether it's identity testing to verifying the authenticity of active pharmaceutical ingredients or stability testing to determine the shelf-life of the drug product, we provide reliable and accurate results. We understand the importance of timely and precise results, and we strive to deliver results with precision timing without compromising on quality.



Our state-of-the-art laboratory and experienced team enable us to provide high-quality testing services for a range of pharmaceutical products, including solid and liquid dosage forms, sterile products, and more. We also adhere to regulatory standards to ensure that our testing services are compliant with industry regulations. At our testing facility, we are committed to providing exceptional customer service and delivering accurate, reliable results. Our team of experts works closely with clients to provide tailored testing solutions that help ensure their pharmaceutical products are safe and effective.

If you're looking for high-quality testing services for your pharmaceutical products, look no further than our testing facility. Contact us today to learn more about our services and how we can help ensure the safety and efficacy of your products.

Why Quality Testing is Necessary for Pharmaceutical Industries ?

Quality testing is a crucial aspect of the pharmaceutical industry as it ensures that pharmaceutical products are safe, effective, and meet regulatory requirements. Quality testing helps to identify and prevent potential risks to patient safety and ensures that pharmaceutical products are of the highest quality.

Pharmaceutical products are highly regulated and regulatory bodies require that pharmaceutical companies perform quality testing on their products before they can be released to the market. Quality testing helps to verify the authenticity of active pharmaceutical ingredients, ensure the purity and potency of the drug product and ensure that the product meets the specifications and standards set by regulatory bodies.

Quality testing also plays a vital role in ensuring the safety and efficacy of pharmaceutical products. Microbiological testing, for instance, helps to detect the presence of harmful microorganisms that can cause infections or other adverse effects on patients. Toxicological testing helps to determine the safety of the product and its potential risks to human health.





Testing in Pharmaceutical Products

- **Identification Testing**: Verifies the identity of raw materials and finished products using methods such as microscopy, chromatography, and spectrometry.
- **Purity Testing**: Determines the presence of impurities in the drug substance or product, such as residual solvents, heavy metals, and other contaminants.
- **Potency Testing**: Measures the strength or potency of the drug substance or product to ensure therapeutic efficacy.
- **Dissolution Testing**: Evaluates the rate and extent of drug release from the dosage form into a solvent, indicating product quality and performance.
- **Stability Testing**: Assesses the physical, chemical, and microbiological stability of the product under specific storage conditions.
- **Functionality Testing**: Evaluates the physical, chemical, and performance characteristics of the product, such as appearance, weight, hardness, and dissolution rate.
- **Microbial Testing**: Detects the presence of harmful microorganisms in the drug substance or product that can cause spoilage or illness.
- **Strength Testing**: Measures the amount of active ingredient present in the product and ensures it meets label specifications.
- **Physical Testing**: Measures the product's physical properties, such as appearance, color, texture, and other sensory characteristics.



- **Chemical Testing**: Measures the chemical composition of the product to ensure it meets required specifications.
- **Dissolution Testing**: Measures the rate and extent at which a product dissolves in a solvent, critical for oral dosage forms.
- **Uniformity of Dose Testing**: Measures the uniformity of the active ingredient in a batch of product, ensuring each dose contains the same amount of active ingredient.

Testing for Pharmaceutical Products

Pharmaceutical Raw Materials:

- **Active Pharmaceutical Ingredients (APIs)**: The biologically active components in drugs that provide therapeutic benefits.
- **Excipients**: Inactive ingredients in drugs that are added to help formulate and deliver the drug to the patient, such as binders, fillers, and lubricants.
- **Solvents**: Substances used to dissolve drugs and other raw materials in the manufacturing process.
- **Capsules and Shells**: Materials used to enclose the drug or supplement, such as gelatin, starch, and cellulose.
- **Coatings**: Materials used to coat pills or tablets to mask their taste or control their release rate, such as shellac, sugar, and polymers.





Pharmaceutical Finished Products:

- **Tablets:** Solid dosage forms that are compressed into small, flat, round or oval shapes and can be swallowed by the patient.
- **Capsules:** Solid dosage forms that are enclosed in a shell or casing and can be swallowed by the patient.
- **Injectables:** Liquid dosage forms that are administered by injection into the patient's body.
- **Topical Creams and Ointments:** Semi-solid dosage forms that are applied to the skin for localized treatment.
- **Inhalers:** Devices that deliver medication to the lungs through inhalation.
- **Syrups and Suspensions:** Liquid dosage forms that are administered orally and are used for children or patients who have difficulty swallowing pills.
- **Suppositories:** Solid dosage forms that are inserted into the rectum or vagina for localized treatment or systemic absorption.
- **Transdermal Patches:** Adhesive patches that deliver medication through the skin and into the bloodstream.
- **Eye Drops and Ear Drops:** Liquid dosage forms that are administered topically for treatment of eye or ear conditions.
- **Vaccines:** Biological products that stimulate the immune system to prevent or treat infectious diseases.



Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



3. Water Testing

Our water testing lab offers a comprehensive range of testing services to meet the diverse needs of our clients. We have state-of-the-art equipment and highly skilled professionals who can provide accurate and reliable results. Our water testing services include both standard and customized testing options, depending on the specific requirements of our clients.

We offer testing services for drinking water, wastewater, groundwater, surface water, and more. Our drinking water testing services cover a broad range of contaminants, including bacteria, viruses, heavy metals, pesticides, and other pollutants that can affect human health. Our wastewater testing services can detect various contaminants, such as nutrients, chemicals, and pathogens, that can harm the environment.

Our groundwater testing services can help identify potential sources of contamination and assess the water quality of wells and other groundwater sources.



We also offer surface water testing services that help identify potential contamination from agricultural and industrial activities, as well as other human-made sources.

At our water testing lab, we are committed to delivering accurate and timely results to our clients. We adhere to strict quality control standards and follow standard testing protocols to ensure the reliability of our results. Our team of experts can also provide guidance and recommendations based on our findings, helping our clients make informed decisions about their water management practices.

Overall, our water testing services are crucial for ensuring the safety of drinking water, protecting the environment, and meeting regulatory standards. We are committed to providing high-quality testing services to our clients to help them manage their water resources effectively.

Why Quality Testing of Water is an Important Aspect ?

Quality testing of water is necessary for several reasons. Firstly, water is essential for human health and well-being, and ensuring that it is safe to drink is of utmost importance. Quality testing can detect the presence of harmful contaminants such as bacteria, viruses, and chemicals that can cause serious health problems.

Secondly, water is used in many industrial and commercial applications, and the quality of water can impact the quality of the final product or service. Poor water quality can also damage equipment, leading to costly repairs or replacements.

Thirdly, water bodies such as lakes, rivers, and oceans are critical ecosystems, and pollution can have severe impacts on aquatic life and the environment. Quality testing of water can help to identify potential sources of pollution and prevent further damage to the environment.

Furthermore, regulatory bodies such as the Environmental Protection Agency (EPA) has set standards for water quality to protect human health and the environment. Quality testing of water helps to ensure that these standards are met, and that water resources are being used responsibly and sustainably.





Parameters for Water Testing

- **Physical Parameters:** This includes the testing of physical properties of water such as temperature, color, turbidity, pH, electrical conductivity, total dissolved solids, total suspended solids, and hardness.
- **Chemical Parameters:** This includes the testing of chemical properties of water such as alkalinity, acidity, chloride, fluoride, sulfate, ammonia, nitrate, and heavy metals such as lead, arsenic, and mercury.
- **Microbiological Parameters:** This includes the testing of microorganisms such as bacteria, viruses, and protozoa that can cause waterborne diseases like cholera, typhoid fever, and dysentery.
- **Pesticides and Herbicides:** This includes the testing of water for the presence of pesticide and herbicide residues, which can cause harm to human health and the environment.
- **Organic Contaminants:** This includes the testing of water for the presence of organic contaminants such as polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and volatile organic compounds (VOCs).
- **Emerging Contaminants:** This includes the testing of water for emerging contaminants such as pharmaceuticals, personal care products, and endocrine-disrupting compounds.



Testing for Various Kinds of Water

- Packaged Drinking Water
- Packaged Natural Mineral Water
- Drinking Water
- RO Water
- Swimming Pool Water
- Spa Water
- Waste Water
- Effluent Water
- Sewage Water
- Tap Water



- Surface Water
- Ground Water
- Lake Water
- Pond Water
- River Water
- Spring Water
- Borewell Water
- Stream Water
- Distribution System Water
- Demineralized Water
- Water for Processed Food Industry



Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



4. Cosmetic Testing

At Shriram Food and Pharma Research Centre, we take great pride in offering comprehensive third-party Quality Control testing services for a wide range of products, including cosmetics, soaps, detergents, and toiletries. Our commitment to excellence and years of expertise make us the trusted partner for ensuring the highest quality and safety of your products.

Before personal care products and cosmetics receive approval for direct skin application, they undergo rigorous testing for quality, composition, toxicity, shelf life, and numerous other factors. SHRIRAM Lab conducts a comprehensive array of tests, including microbiological assessments to detect microbial growth, flashpoint tests, ethical assessments for cruelty-free practices, performance evaluations to ensure product functionality and stability and toxicity studies that adhere to recognized federal and international regulatory agency standards.



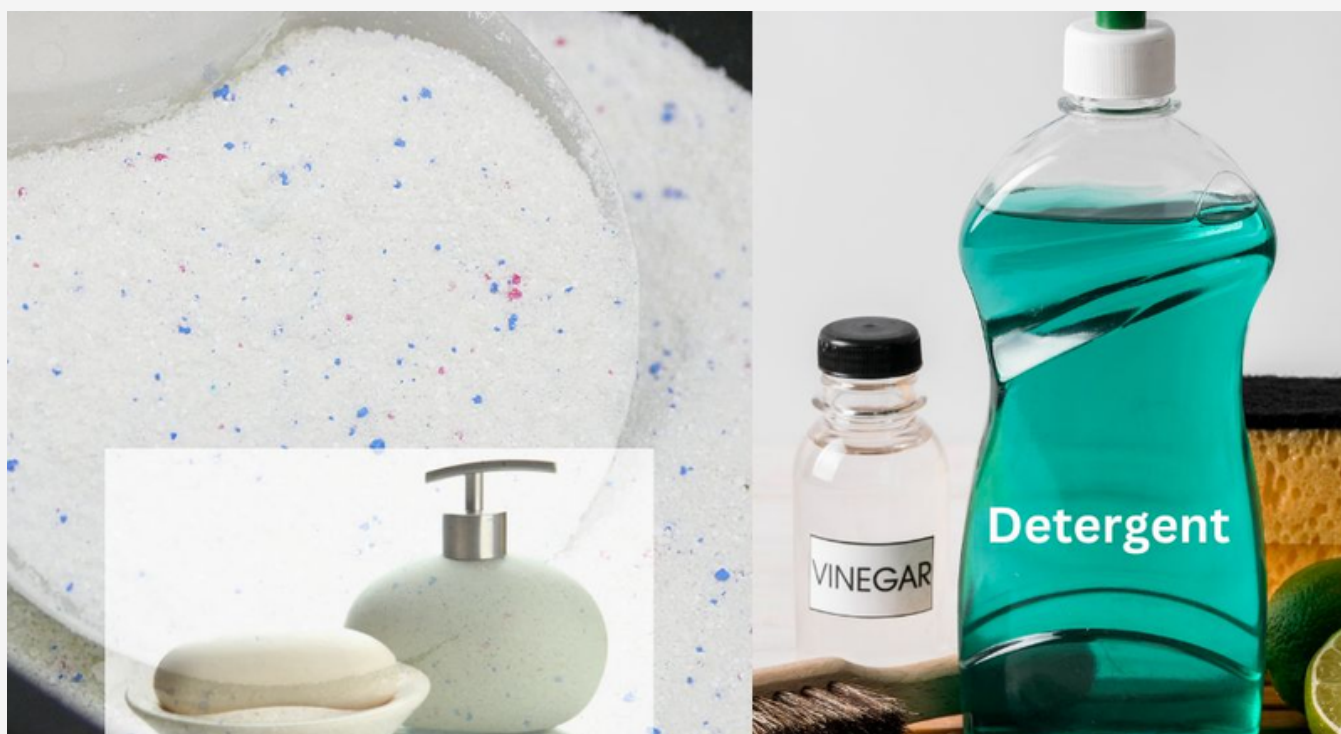
Cosmetic Testing

When it comes to cosmetics, consumer expects nothing less than perfection. Our specialized cosmetic testing services ensure that your products meet stringent quality standards. We analyze ingredients, assess product stability, and verify label claims to make sure your cosmetics are not only beautiful but also safe and effective.

Soap Testing

The soap industry demands products that cleanse effectively while being gentle on the skin. Our soap testing services examine soap bars, liquid soaps, and specialty soaps to confirm their quality, safety, and adherence to regulatory standards. We assess ingredients, fragrance, texture, and overall performance.





Detergent Testing

In the competitive world of detergents, quality control is paramount. Our detergent testing services evaluate the cleaning efficiency, stain removal capabilities, and compatibility with different washing machines. We ensure your detergents are tough on stains and soft on fabrics.

Toiletries Testing

Toiletries, including shampoos, body washes, and personal care products, must deliver on their promises. Our expert analysis includes assessing the efficacy, skin-friendliness, and stability of these products. We verify that your toiletries maintain their quality over time, ensuring customer satisfaction.



Testing in Cosmetic & Personal Care Products

Hair Cream

pH
Test for Rancidity
Total Fatty Substances
Water Content

Hair Oil

Acid Value

Lipstick

Breaking Load Value
Pay off Test
Rancidity (Peroxide Number)
Softing Point

Nail Polish

Drying Time in Minute
Non Volatile Matter

Powder Hair Dye

pH of 5% Solution (m/v) in Water
Foam Height for 2% Solution
Matter Insoluble in Alcohol
Total Fatty Matter

Shaving Creams

Free Caustic Alkali
Lathering (Foaming)
Total Fatty Substances
Water Content

Skin Cream

pH
Thermal Stability
Total Fatty Substances
Total Residue



Microbiological Testing

Total Bacterial Count
Total Fungal Count
Pseudomonas aeruginosa
Escherichia coli
Staphylococcus aureus
Candida albicans



Our Testing Services

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



5. Microbiological Testing

When it comes to ensuring the safety and quality of food, pharmaceuticals, water, and cosmetic products, you need a reliable partner to perform Microbiological Quality Control testing. Shriram Food and Pharma Research Centre is your go-to solution for third-party testing that adheres to the highest industry standards. With our commitment to precision, accuracy, and quality, we've become a trusted name in the field.

The Importance of Microbiological Quality Control

Microbiological Quality Control is a critical aspect of product safety and quality assurance in various industries, including Food, Pharma, Water, and Cosmetics. It involves the analysis and testing of samples to detect and quantify microorganisms such as bacteria, yeast, molds, and other pathogens. These microorganisms can pose serious health risks and can lead to product spoilage, contamination, and even product recalls.



Microbiological Parameters We Test :

Total Plate Count	E. coli
Total Bacterial Count	B. cereus
Total Yeast and Mold Count	Salmonella sp.
Total Viable Count	Shigella sp.
Coliforms	S. aureus
Aerobic Spore Count	V. cholera
Enterobacteriaceae	V. parahemolyticus
Candida albicans	Listeria monocytogenes
S. aureus	Pseudomonas aeruginosa
Faecal Coliforms	Cl. perfringens
Proteolytic Organisms	Faecal streptococci
Lipolytic Organisms	Sterility
Bacterial Endotoxins (BET)	



Products We Test for Microbiological Parameters:

Food and Agricultural Products

- Milk & Dairy Products
- Beverages (Alcoholic/Non-Alcoholic)
- Fruit and Fruit Products
- Herbs, Spice and Condiments
- Infant Foods
- Jams, Juices, Sauces & Concentrates
- Nuts and Nut Products
- Meat and Meat Products
- Vegetable and Vegetable Products
- Edible Oils & Fats
- Cereals, Pulses & Cereal Products
- Bakery and Confectionery Products
- Oil Seeds & By-Products
- Poultry & Poultry Product
- Egg & Egg Product
- Canned & Processed Foods
- Coffee & Cocoa Products
- Honey & Honey Products
- Snacks and Instant Mixes

Animal Food & Feed

- Animal Nutrition Supplements
- Aquaculture Feed Additives
- Pet Foods
- Poultry Feed Additives

Marine/Aqua Culture Food products

- Fish and Fish Product

Cosmetic & Personal Care Products

Water (PDW, Wastewater, Ground water etc.)

Pharmaceutical Products

- Tablets
- Capsules
- Coatings
- Injectables
- Topical Creams and Ointments
- Inhalers
- Syrups and Suspensions
- Suppositories
- Transdermal Patches
- Eye Drops and Ear Drops

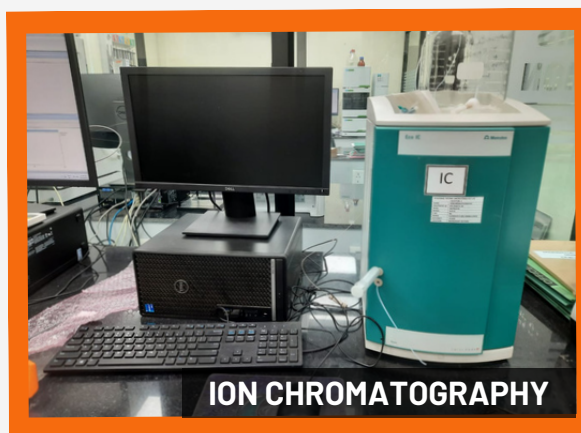


List of Instruments & Equipments

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



S.N.	Equipment Name	S.N.	Equipment Name
1	LC-MS	21	Spectro for Metal
2	GC-MSMS	22	Centrifuge
3	ICP-MS	23	Vacuum Oven
4	FTIR	24	pH Meter
5	GC-HS	25	Conductivity Meter
6	AAS	26	Turbidity Meter
7	Ion Chromatography	27	Respirable Dust Sampler
8	Bio Safety Cabinet	28	Fine Particulate Matter
9	Laminar Air Flow	29	Sound Level Meter
10	BOD Incubator	30	Stack Monitoring Kit
11	Autoclave	31	Strohlein Apparatus
12	Bacteriological Incubator	32	Water Bath
13	COD Digester	33	Hot Air Oven
14	Soxhlet Apparatus	34	Muffle Furnace
15	Protein Assembly	35	DT Test Apparatus
16	Bomb Calorimeter	36	Dissolution Test Apparatus
17	UV Spectrometer	37	Polari meter
18	Nitrogen Evaporator	38	Karl Fisher
19	Sonicator	39	Rotary Evaporator
20	Weigh Balance	40	AHU Unit for Microbiology





Laboratory Inside

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE





CONTACT US

SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



Phone Number

+919811054649
+917668106301
+91 9871430676

Email

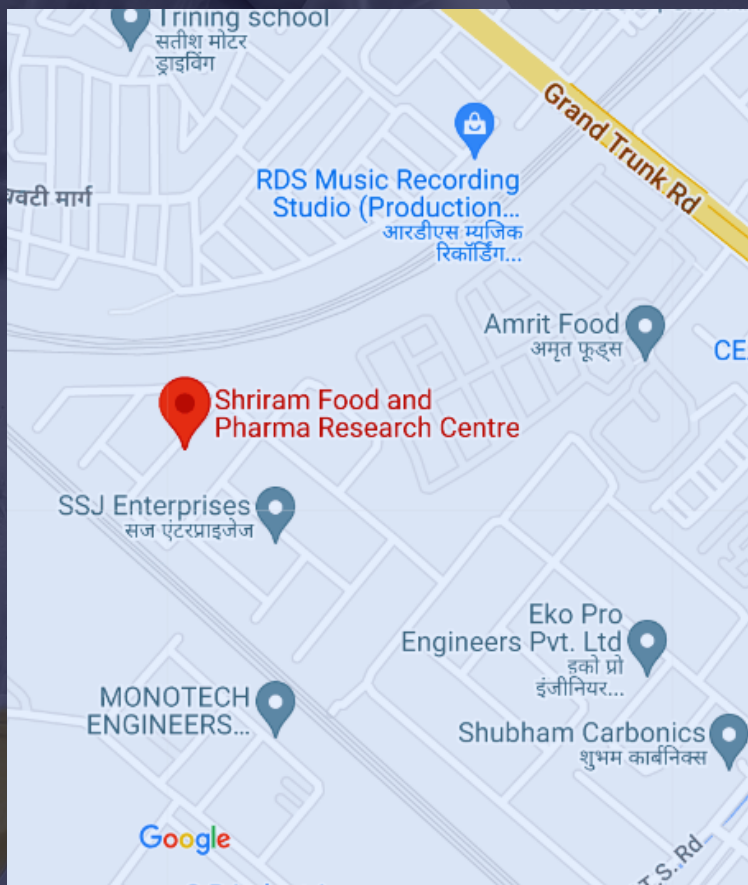
info@shriramlab.org

Address

2nd floor, AO-150 Amrit Steel
Compound, South Side,
G.T Road Ind. Area,
Ghaziabad-201001, UP, India

Website

www.shriramlab.org





SHRIRAM FOOD & PHARMA
RESEARCH CENTRE



WE LOOK FORWARD TO
ASSOCIATE WITH YOU

GET IN TOUCH WITH US

+919871430676,
+918130353335

Mail : info@shriramlab.org

Website: www.shriramlab.org

THANK YOU

Printed by: Shri Ganesh # 9990512151

www.shriramlab.org