

ISSPL Testing Services

Test with Confidence. Deliver with Assurance.

2014

Established

12+16

Overseas & national
offices

4

Laboratories in India

14,000

Sq. ft. NABL-accredited lab,
Jaipur

Food & Agri · Pharma · Environment
AYUSH · Cosmetic · Water · Medical
Device · Food Contact Material

Your Trusted Partner for Quality, Safety & Compliance

At ISSPL Limited (formerly IRCLASS Systems and Solutions Limited and IRCLASS Systems and Solutions Pvt. Ltd.), we turn testing and analytical expertise into confidence for our customers. We provide comprehensive Testing, Inspection and Certification (TIC) solutions that help businesses assure product quality, meet regulatory requirements, manage risks and enter markets with confidence.

Established in 2014, ISSPL has grown into a global TIC service provider with a presence across **12 overseas offices, 16 national offices, 3 regional offices** and **4 laboratories** across India. Our acquisition of CEG Test House in February 2022 further strengthened our capabilities in Food, Water, Environment, AYUSH, Food Contact Material and Pharmaceutical testing.

With expertise spanning the fields below, we offer customers a single - window platform for diverse analytical requirements:

Food & Agriculture	Nutraceuticals & Functional Foods			
Drugs & Pharmaceuticals	Ayurvedic & Herbal Products		Surgical Products	
Microbiology	Pollution & Environment	Gases	Water	Health & Safety
Industrial Hygiene	Animal Food & Feeds	Food Contact Material Testing		
Molecular Biology	Cosmetic & Essential Oil			
Hazardous & Restricted Chemicals				

TECHNOLOGY THAT DELIVERS CONFIDENCE

Our 14,000 sq. ft. state-of-the-art laboratory in Jaipur combines advanced instrumentation, robust quality systems and scientific expertise to deliver accurate, reliable and timely results.

Capabilities include LC-MS/MS, GC-MS/MS, ICP-MS, ICP-OES, AAS, HPLC (UV, FLD, RI detectors), GC, Ion Chromatography, FT-IR, rt-PCR, and Online Analysers — enabling both routine and complex testing.

We test to national and international standards, customer-supplied methods and in-house validated methods — providing flexibility to meet specific customer needs.

ABOUT US

Built Around Our Customers

Accuracy

Reliability

Compliance

Timeliness

Customer Support

Every test result supports an important business decision — our focus goes beyond generating data to deliver clear, dependable, actionable results.



Quality You Can Rely On

Our commitment to technical competence and quality is supported by relevant accreditations, approvals and recognitions, along with an integrated quality management system and LIMS-enabled laboratory operations.

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Accreditations & recognitions held

NABL

FSSAI

APEDA

EIC

BIS

IOPEPC

Tea Board

AGMARK

Organic

MoEF-CC

CPCB

CDSCO

GLP

ISO 9001

ISO 45001

ISO 14001

Today, ISSPL serves leading corporates, exporters, traders, government and public-sector organizations, and small and medium-sized enterprises across India and international markets.

Badges above represent categories of accreditation, approval and recognition held by ISSPL; certificate marks shown are illustrative, not the issuing bodies' official logos.

From Farm to Fork. Every Step Verified.



Comprehensive Food & Agriculture Product Testing designed to help businesses ensure food safety, product quality, regulatory compliance, authenticity, and market readiness — backed by advanced analytical technologies, experienced technical professionals, and robust quality systems that turn results into confident decisions, from raw material approval to export compliance.

WHAT WE TEST — FOOD PRODUCTS

Milk & Dairy Processed & Raw Foods Sweets & Confectionery Bakery Products & Raw Materials Ready-to-Eat Foods
Meat & Fish Snacks & Roasted Foods Egg & Poultry Beverages Brewery Products Salt
Food Additives & Ingredients Drinking & Packaged Drinking Water

WHAT WE TEST — AGRICULTURAL PRODUCTS

Cereals & Pulses Fruits & Vegetables Nuts & Dry Fruits Raisins Oils & Fats Spices & Condiments Sugar
Tea And More

COMPREHENSIVE TESTING CAPABILITIES

1 Food Biological Testing

Microbiological parameters, pathogens and hygiene indicators to safeguard consumer health.

2

Pesticide Residue and Trace Metal Analysis

Sensitive & advanced trace level analysis to support domestic & export requirements

3

Antibiotic & Vet. Drug Residues

Sensitive testing to verify compliance with maximum residue limits.

4

Food Additive Testing

Colours, sweeteners, antioxidants, emulsifiers, stabilizers, hydrocolloids and more.

5

PFAS Analysis

Ultra-trace level analysis of 40 PFAS molecules to support domestic & export requirements

6

Mycotoxin & Natural Toxin

Reliable detection of contaminants impacting food safety and quality.

7

Nutritional Analysis

Accurate profiling to support development, labelling and compliance.

8

Food Packaging Material

Food-contact materials tested for packaging safety and compliance.

9

Shelf-Life & Stability

Scientific assessment of quality and stability through shelf life.

Quality. Safety. Purity. Performance.

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PHARMACOPOEIAL
STANDARDS**REGULATORY STANDING**

Approved by the State Drug Controller, Rajasthan (Form 37) under the Drugs and Cosmetics Act, 1940.

NABL-accredited and GLP-certified for drug testing.

ISSPL provides comprehensive pharmaceutical testing solutions designed to help manufacturers, marketers, and healthcare-product companies ensure the quality, safety, purity, and performance of their products — from raw materials and excipients to APIs, vitamins, parenteral preparations, sutures, ligatures, medical devices, and surgical products. Testing follows applicable Indian and international pharmacopoeial standards — IP, EP, BP, USP and JP — helping customers meet regulatory and market requirements with confidence.

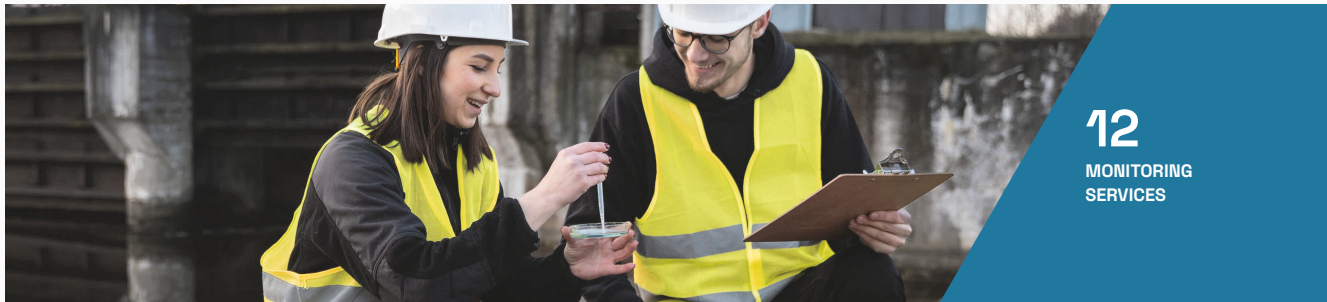
COMPREHENSIVE RANGE OF SERVICES

- 1 Identification Testing — UV, HPLC, FTIR Auto-Dissolution, Karl Fischer and other advanced techniques
- 2 Physicochemical Testing
- 3 Assay & Potency
- 4 Related Substances & Impurity Profiling
- 5 Uniformity of Content
- 6 Stability Testing
- 7 Analytical Method Validation
- 8 Particulate Matter Testing
- 9 Microbiological Testing — Sterility, Bacterial Endotoxins (BET) and other applicable parameters
- 10 Pharmaceutical & Medical Device Testing

ADVANCED ANALYTICAL CAPABILITIES

Laboratory infrastructure and data-management practices aligned with applicable 21 CFR Part 11 requirements — supporting data integrity, traceability, and regulatory confidence across identification, stability and microbiological testing programs.

Precision Monitoring for a Cleaner, Safer & Compliant Environment



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MONITORING
SERVICES

Environmental performance is no longer just a regulatory requirement — it is essential to responsible business, sustainable operations, and long-term growth. ISSPL helps industries, infrastructure projects and institutions understand their environmental footprint, demonstrate compliance and manage risks, from emission monitoring and air quality assessment to industrial hygiene and specialized investigations.

COMPREHENSIVE RANGE OF SERVICES

- 1 Environmental Compliance Monitoring**
Programs supporting regulatory compliance, environmental management and statutory reporting.
- 2 Baseline Environmental Studies**
Reliable baseline data to support impact assessment and project planning.
- 3 Stack Emission & Flue Gas Monitoring**
Monitoring industrial emissions for process performance and control compliance.
- 4 Ambient Air Quality Monitoring**
Key air-quality parameters around industrial and infrastructure locations.
- 5 Indoor Air Quality Testing**
Indoor conditions supporting healthier, safer, more comfortable workplaces.
- 6 Industrial Hygiene Studies**
Workplace monitoring to identify and evaluate occupational exposure risks.
- 7 Compressed Air Testing**
Air quality assessment where purity is critical to product and process.
- 8 Cleanroom Validation**
Demonstrating controlled environments operate within specified conditions.
- 9 Dioxins & Furans Monitoring**
Specialized sampling and analysis for regulated persistent pollutants.
- 10 Halides & Halogens in Stack Emissions**
Testing of halogen and halide emissions from industrial processes.
- 11 Performance Guarantee & Evaluation**
Independent evaluation of pollution-control systems and monitoring devices.
- 12 Pollution Monitoring Device Testing**
Evaluation of monitoring equipment for performance and reliability.

ADVANCED TECHNOLOGY

Horiba PG-350 Online Flue Gas Analyzer

Graywolf Indoor Air Quality Monitor

Envirotech India Stack Monitoring Systems

Dioxins & Furans Stack Monitoring Kits

Quality, Safety & Authenticity, Assured



6
API-ALIGNED
CATEGORIES

The growing demand for AYUSH and herbal products makes quality, safety, authenticity, and consistency more important than ever. ISSPL provides end-to-end analytical testing solutions to help manufacturers confidently evaluate their products and meet applicable quality and regulatory requirements. From raw materials and herbal ingredients to finished formulations, ISSPL helps manufacturers build quality into every stage of the product lifecycle.

ALIGNED WITH AYURVEDIC PHARMACOPOEIA OF INDIA (API) STANDARDS

Classical Ayurvedic Drugs Patent & Proprietary Medicines Ayurvedic Dosage Forms Herbal Products & Extracts
Herbal Raw Materials & Ingredients Botanical Preparations

COMPREHENSIVE AYUSH & HERBAL TESTING SOLUTIONS

- Physicochemical & Quality Testing**
Evaluation of critical characteristics to assess identity, purity, strength, consistency and overall quality.
- Nutritional & Labelling Parameters**
Testing of relevant nutritional parameters to support accurate labelling.
- Aflatoxin & Mycotoxin Testing**
Sensitive analysis to ensure consumer safety and control contamination risks.
- Heavy Metals & Trace Elements**
Elemental analysis for toxic and potentially harmful metals.
- Pesticide Residue Analysis**
Screening in herbal raw materials and finished products for purity.
- Microbiological Testing**
Assessment of microbial quality, pathogens and microbial limits.
- Stability Studies**
Evaluation of product quality over time to support shelf-life assessment.
- Method Validation & Verification**
Establishing accuracy, precision, specificity and robustness of methods.

QUALITY ASSURANCE

ISSPL's AYUSH & herbal testing program is backed by NABL accreditation (ISO/IEC 17025:2017) and GLP certification — giving manufacturers, regulators and export markets results they can rely on.

Science Behind Safer, Better & Compliant Beauty Products



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PRODUCT
CATEGORIES

In today's competitive personal-care market, consumers expect more than attractive packaging — they expect safety, quality, consistency and proven performance. ISSPL provides comprehensive Cosmetic & Personal Care Product Testing Services to help manufacturers, brands and importers develop, validate and market products with confidence.

Our analytical solutions cover raw materials, in-process materials and finished cosmetic products, from routine quality evaluation to advanced analytical investigations.

COMPREHENSIVE COSMETIC TESTING SOLUTIONS

1 Physico-Chemical & Quality

Evaluate critical attributes to ensure consistency and specifications.

2

Microbiological Testing

Protect consumers and ensure microbiological quality across formulations.

3

Heavy Metals & Elemental

Advanced elemental analysis for contaminants, supporting safety.

4

Preservative & Contaminant

Analytical testing to support formulation quality and requirements.

5

Stability & Shelf-Life Studies

Scientific evaluation of product quality over time under defined storage conditions.

PRODUCTS WE TEST

Skin Care

Creams · Lotions · Serums · Gels · Moisturisers · Face Washes

Hair Care

Shampoos · Conditioners · Hair Oils · Hair Serums · Hair Treatments

Colour Cosmetics

Foundations · Lip Products · Mascara · Eyeliners · Face Powders

Personal Care

Soaps · Body Washes · Deodorants · Cleansers · Hand & Body Products

Fragrances

Perfumes · Body Sprays · Fragrance Products

Every Drop Matters. Every Result Counts.



Water quality is critical to human health, industrial processes, pharmaceutical manufacturing, environmental protection and regulatory compliance. ISSPL provides comprehensive water testing solutions to verify quality, identify contaminants, meet applicable standards and support confident decisions.

Our modern laboratory combines advanced analytical instrumentation, experienced technical expertise and robust quality systems to deliver accurate, reliable and traceable results across diverse water matrices.

COMPREHENSIVE WATER TESTING SERVICES

- 1 Physico-Chemical & Organoleptic**
Physical, chemical and sensory parameters establishing overall water quality.
- 2 Heavy Metals & Trace Elements**
Elemental analysis for critical metals at required detection levels.
- 3 Pesticide Residue Analysis**
Screening for food, agricultural, drinking water and environmental safety.
- 4 PAHs & PCBs**
Sensitive analysis of persistent organic contaminants.
- 5 Trihalomethanes (THMs)**
Disinfection by-products supporting drinking-water safety.
- 6 Microbiological Testing**
Microbial quality indicators, supporting hygiene and safety.
- 7 Specialized Water Testing**
Pharmaceutical, healthcare, dialysis, cooling-tower and produced water.
- 8 PFAS Analysis**
Ultra Trace Quantitative PFAS analysis in water for compliance with national and international standards.

WHY IT MATTERS

Reliable water-quality data supports human health, industrial process control, pharmaceutical manufacturing, environmental protection and regulatory reporting — across every matrix ISSPL tests.

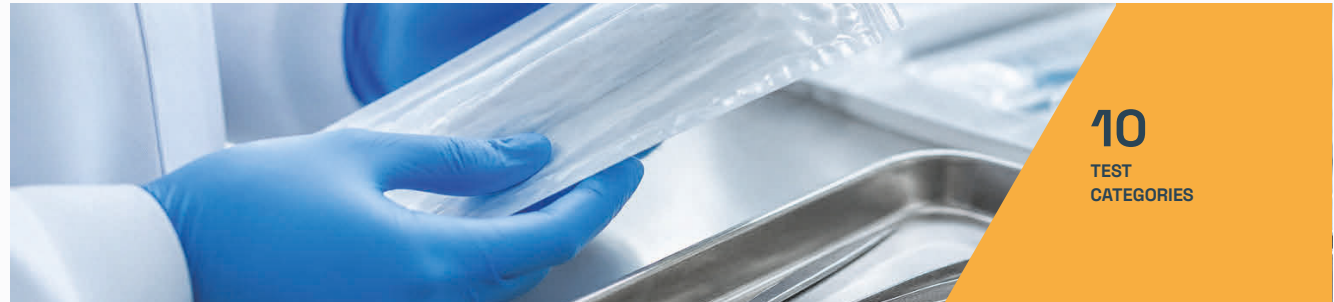
ANALYTICAL CAPABILITIES

LC-MS/MS ICP-MS GC-MS/MS
GC HPLC AAS FTIR

WATER MATRICES WE TEST

Drinking Water	IS 10500:2012
Ground Water	IS 10500:2012
Borewell Water	IS 10500:2012
Surface Water	IS 2296:1982
Packaged Drinking	IS 14543:2016
Packaged Mineral	IS 13428:2005
Swimming Pool	IS 3328:1993
Pharma / Healthcare	USP / IP
Dialysis Water	Applicable req.
Cooling Tower	incl. Legionella
Produced Water	IS 10392/10496
Irrigation Water	IS 11624:2019
Wastewater	CPCB / EPA

Confidence in Every Device. Safety in Every Use.



Medical devices play a critical role in patient care, diagnosis, monitoring and treatment — their material quality, microbiological safety, chemical composition and functional performance must meet stringent quality and regulatory expectations.

COMPREHENSIVE MEDICAL DEVICE TESTING SOLUTIONS

- 1 Physical & Mechanical Testing**
Dimensions, strength, integrity, durability and other mechanical properties.
- 2 Biocompatibility Testing**
Evaluating potential biological risks of materials and components used.
- 3 Microbiological Safety**
Testing for microbiological quality and contamination.
- 4 Sterility Testing**
Compliance with applicable sterility requirements and specifications.
- 5 Bacterial Endotoxin Testing**
Sensitive detection and quantification of bacterial endotoxins.
- 6 Bioburden Testing**
Microbial population present on or within a device before sterilization.
- 7 Heavy Metals & Elemental Analysis**
Trace-level determination of hazardous elements and heavy metals.
- 8 Extractables & Leachables**
Chemical substances that may migrate from device materials.
- 9 Packaging & Sterile Barrier**
Packaging characteristics supporting protection and sterility.
- 10 Stability & Shelf-Life Support**
Product characteristics over storage periods, supporting quality monitoring.

MEDICAL DEVICES WE SUPPORT

Surgical & invasive devices Medical disposables Catheters & tubing Syringes & needles Wound-care products

Surgical dressings Medical-grade polymers & plastics Rubber & elastomeric components

Diagnostic & lab-related devices Sterile medical products Medical device packaging

Other healthcare & patient-care products

ACCREDITATION

Testing is conducted under NABL accreditation (ISO/IEC 17025:2017), supporting the traceable, internationally recognised results critical medical device applications require.

Protecting Food Quality from Packaging to Consumer



Food packaging is more than a protective layer — it is essential to maintaining food safety, quality, freshness and shelf life. Since packaging materials come into direct or indirect contact with food, their chemical composition and safety can significantly impact consumer health. ISSPL helps manufacturers, converters and packaging companies demonstrate compliance.

PACKAGING MATERIALS WE TEST

Paper & Paperboard Plastic & Flexible Packaging
Glass Containers Metal & Metal Alloys
Multilayer & Composite Packaging Coatings, Inks & Adhesives
Food Contact Articles & Components

COMPREHENSIVE TESTING SOLUTIONS

Overall / Global Migration Specific Migration
Heavy Metals & Elemental Analysis Residual Solvents
Plasticizers Colorants & Dyes
Volatile & Semi-volatile Compounds
Extractable & Leachable Substances
Sensory / Organoleptic Evaluation
PFAS (per- and polyfluoroalkyl substances)

WHY IT MATTERS

From raw-material approval to finished-pack release, ISSPL's testing helps manufacturers, converters and packaging companies demonstrate due diligence and compliance across domestic and international supply chains.

STANDARDS & REGULATORY FRAMEWORKS

EU 10/2011

Plastic materials & articles for food contact

EC 1935/2004

Materials & articles intended for food contact

EC 2023/2006

GMP for food-contact materials

FDA 21 CFR 175–178

Food-contact substances & materials

IS 9845

Overall migration from packaging materials

IS 9833

Colorants for plastics in food/pharma contact

Council of Europe

Resolutions / guidelines for food-contact materials

LFGB

German Food and Feed Code requirements

FSSAI & BIS

Applicable domestic requirements

Other frameworks

Customer-specific, national & international requirements

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35+ Cities across India and around the world where ISSPL is at work

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