



YONTUS[®]
— L I F E S C I E N C E S —



**PHARMACEUTICAL
QUALITY TESTING
LABORATORY**

ABOUT US

YONTUS Life Sciences Pvt. Ltd., Established in April 2016 is recognized as a START UP INDIA by the Department of Industrial policy and promotion. Over the years with a professional approach, diligence and honest services, we have grown and recognized by the various industries, exporters, traders, packers, government sectors, co-operative sectors, institutions, individuals and satisfaction to our customers.

YONTUS is a one-stop solution offering best-in-class testing services to our customers related to agro, food, water, drug and medical services sector.

YONTUS is an ultra- modern laboratory having highly sensitive equipment, state-of-art infrastructure with competent manpower to provide analytical techniques and testing methods of National and International standards to analyses in various test products.

Our motto is to test and provide the required quality test reports to the customers with honest and truthful results within specified time.

We follow standard test procedures from accredited bodies such as ICH, IP, BP, EP, USP, FSSAI, IS, BIS, ASTA, AOAC, APHA, BAM, ISO and other validation test methods developed by clients or by our qualified and certified staff to assure quality of our analytical services. Our laboratory undergoes regular performance quality check by internal quality management audits. We continuously participate in Inter Laboratory Comparison (ILC), proficiency Tests (PT) as well as customer audits.

OUR ACCREDITATIONS

#startupindia



fssai



List of Instrumentation

- ICP-MS & Microwave Digester
- LC-MS/MS
- GC-MS/MS
- GC with Headspace
- HPLC- (FLD, PDA, UV, detectors)
- Ion Chromatography
- FTIR
- UV-Visible Spectrophotometer
- DSC, TGA & SEM
- Particle size analyzer
- BOD Incubator
- RT-PCR
- Elisa
- Autoclave
- Deep Freezer (-20°C & -80°C)
- Nitrogen/ Protein Analyzer
- Cooling centrifuge
- Flame photometer
- Dietary Fibre Estimation System
- Solvent/Fat Extraction System
- High Resolution Microscope
- Titrations – Potentiometric
- Dissolution Apparatus
- Disintegration Tester
- Friability Tester
- Tensile Tester
- Water Leakage Tester
- Polarimeter
- Densitometer & Viscometer
- Refractometer
- pH Meter
- KF Titrator
- Autotitrator
- Melting Point Apparatus
- Rotary Evaporator
- TOC
- TLC
- Flash point apparatus
- Tintometer
- Turboevaporator



Testing Services offered for

1. Pharmacopeia Compendial Testing
2. Raw Materials/API's/Bulk Drugs, excipients, Intermediates and In-process sample Analysis
3. In-Vitro Dissolution Studies
4. Trace Metal Analysis
5. Method Development and Validation
6. Impurity Analysis
7. Extractable and Leachable Studies
8. Solid State Characterization
9. Packaging material Testing
10. Microbiological Analysis
11. Pharmaceutical Grade Water Testing
12. Veterinary Drug Analysis



1. PHARMACOPEIA COMPENDIAL TESTING

Drug products and drug substances such as raw materials and excipients testing are carried out routinely as per the latest pharmacopoeia (USP, BP, EP, IP) or Customer In-House procedures and specifications. Our pharmaceutical testing service includes:

- Description, appearance & pH
- Hardness, thickness, diameter
- Identification
- Uniformity of mass
- Average weight/net contents
- Assay (Label claim)
- Dissolution
- Disintegration
- Friability
- Melting point
- Particle size & count
- Viscosity & Turbidity
- Fill volume, Bulk & Tapped density
- Water content & Water activity
- Color of solution
- Loss on Drying & Weight loss
- Metals
- Residual solvents



2. RAW MATERIALS/API'S/BULK DRUGS, EXCIPIENTS, INTERMEDIATES AND IN-PROCESS SAMPLE ANALYSIS

- Raw Materials/API's/Bulk Drugs, excipients, Intermediates and In-process sample Analysis done by as per standard specifications such as USP, BP, EP, IP or Customer In-House procedures and specifications.
- we carry out identification tests, Assay, impurity, trace metals, Related substance, Dissolution, Content uniformity, Residual solvents, Particle size distribution, etc.,
- We ensure accuracy and reliability of test results within Turn-Around-Time.

3. IN-VITRO DISSOLUTION STUDIES

- Our In-vitro dissolution study services carried out according to pharmacopoeias or customer requirements and Development and validation of dissolution studies.
- Our capability to perform In-vitro dissolution testing on finished formulation products such as Tablets, capsules and other dosage forms as per specification requirements

4. HEAVY/TRACE METAL ANALYSIS

- We carry out Heavy/trace metal analysis of raw material, drug substances and drug products by highly sophisticated instrument ICP-MS.
- We perform method development and validation by ICP-MS.

5. METHOD DEVELOPMENT AND VALIDATION

- Our analytical method development and validation services performed as per ICH guidelines or customer requirements.
- Our Method development carry out identification tests, Assay, impurity, trace metals, Related substance, Dissolution, Content uniformity, Residual solvents, Particle size distribution, etc.,
- We used analytical Techniques with sophisticated equipment's such as HPLC (UV, RI, FLD, PDA), GC-HS (FID, ECD), GC-MS/MS, LC-MS/MS, ICP-MS.
- Our capability to perform analytical method development and validation testing on Active Pharmaceutical Ingredients (APIs) / Bulk drugs/Drug Substance and Intermediates, Finished Formulation Drug Products with different dosage forms such as Tablets, Capsules, Injectable, Syrups, etc.,

6. IMPURITY STUDIES

- Impurity analysis is done according to ICH, or customer requirements.
- We have extensive analytical infrastructure capable of supporting our customer requirements technically sound, reliable, compliant with quick turnaround time.
- We used ICP-MS analytical Technique for impurity studies.
- Our capability to perform Impurity testing on Active Pharmaceutical Ingredients (APIs) / Drug Substance/Bulk drugs, Intermediates and Excipients, Finished Formulation Drug Products with different dosage forms.

7. EXTRACTABLE AND LEACHABLE STUDIES

- We perform Qualitative and quantitative analysis of extractable and Leachable using HPLC, LC-MS / MS, GC-MS / MS, ICP-MS, IC etc.,
- Our analytical service carried out
 - Packaging material assessment and development.
 - Identification and quantification of known & unknown compounds.
 - Method development, optimization and validation of controlled extractable study for routine control of container closure system.
 - Evaluations of results for toxins from the container closures system.
- We perform extractable and leachable testing on Primary Containers, Auxiliary Articles and Manufacturing Aids used for various drug products such as Solids, Parental, Injectable Containers (HDPE, LDPE, PP), Plastic bags, Rubber stoppers, Glass vials, Syringes, Resins, Injectable bags / vials, Blister packs, etc.,

8. SOLID STATE CHARACTERIZATION

- We provide physical characterization services including polymorph characterization, oxidative and thermal analysis, spectroscopic analysis and particle size determination, Surface Area Analysis as per customer requirements.
- Techniques used are pXRD, SEM, DSC, particle size analyser, Melting Point Apparatus, FTIR, Refractometer etc.,

9. PACKAGING MATERIAL TESTING

- We perform Packaging material testing services according to the various regulatory guidelines and recommendations.
- Techniques used are GC-MS/MS, HS-GC, LC-MS/MS, ICP-MS, IC, SEM.
- We perform Packaging material testing on Primary Containers, Auxiliary Articles and Manufacturing Aids used for various drug products such as Solids, Parental, Injectable Containers (HDPE, LDPE, PP), Plastic bags, Rubber stoppers, Glass vials, Syringes, Resins, Injectable bags / vials, Blister packs, etc.,



10. MICROBIOLOGICAL TESTING

- Our microbiological testing services follow various standard national and international methods and customer requirements.
- Our capability to perform microbiological testing on Active Pharmaceutical Ingredients (APIs) / Drug Substance/Bulk drugs, Intermediates, Excipients, Finished Formulation Drug Products with different dosage forms and Pharmaceutical Water.
- Our microbiological testing services provides
 - Microbial Limit Tests (MLT)
 - Sterility Test
 - Microbiological Assays
 - Bacterial Endotoxin (LAL) Test
 - Media Growth Promotion Test (GPT)
 - Disinfectant Efficacy Test
 - Water system validations
 - Antimicrobial Effectiveness of Preservative Efficacy Test (AET/PET)
 - Environmental Monitoring (Air Microbial quality evaluation) by Settle plate method and Active Air Sampler



11. PHARMACEUTICAL GRADE WATER TESTING

- We offer wide-ranging Pharmaceutical Grade Water testing as per standard Specifications.
- We provide water testing include physical and chemical analysis, pesticide residues, Heavy/Trace metal analysis and microbiology.
- We perform analysis as per BIS standards IS 10500:2012 Drinking water, Water for Pharmaceutical Purposes, Inlet & Outlet Water Analysis, Microbiological Analysis etc.,

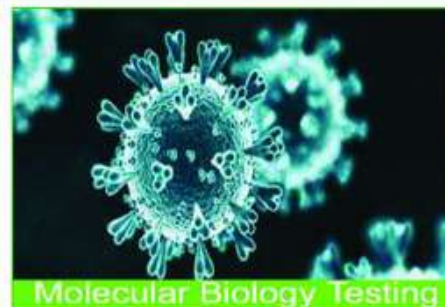
OTHER SERVICES



Food Testing



Water Testing



Molecular Biology Testing

*Please enquire for more information about additional tests we perform that may not be listed in this brochure



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