



**SimSon**  
Life Sciences Private Limited

(Commercial Testing Laboratory)

**NMR**



**LC-MS/MS**



**ICP-MS**



### **Accreditations:**

- State DCA Approval
- ISO 9001:2015 Certified
- GLP Certified
- NABL Accredited
- USFDA Register
- DSIR Certified



**DCA**  
DRUGS CONTROL AUTHORITY  
TELANGANA  
APPROVED



**ISO**  
9001:2015  
EDG CERTIFICATION LIMITED

**FDA**  
REGISTERED

## About us

**Simson Life Sciences Pvt Ltd** is a Govt. approved contract testing laboratory, approved by State and Central Drug Control Authority, ISO 9001:2015, USFDA Registered, GLP certified and NABL accredited providing high quality laboratory services under one roof in the field of Chemical, Instrumentation and Microbiological studies, Food, Water, Blood Banks, International Consultants, Hospitals etc....

## Vision:

To be a leading **Contract research Organization** in India and to become a significant global player by providing high quality, affordable and innovative solutions in **Analytical and research** of pharmaceutical field

## Mission

We strive to provide a cost effective and time bound Research Products and Solutions in the area of Contract Research Organization (CRO)

**Pept HPLC – Shimadzu**



**DSC – 4000 Make: Perkin Elmer**



**Microbiology**



**NMR**



**LCMS**



**SOR – Auropol II T**



**HPLC**



**Gravimetric Analyzer (TGA)**



**DISSOLUTION**



**Elementer(CHNS&O)**



**GC-HS**



**Particle Size – Malvern 3000**



## SERVICES & CAPABILITIES

### NMR

- <sup>1</sup>H –NMR
- <sup>13</sup>C-NMR
- <sup>19</sup>F –NMR
- <sup>31</sup>P- NMR
- <sup>15</sup>N-NMR
- <sup>29</sup> Si –NMR
- Water & Solvent Suppression
- 1D-NOESY
- DEPT NMR
- Qualitative & Quantative NMR
- Structural Elucidation
- Also 2D Experiments.....

### LC-MS

- Unknown Impurity Identification
- Genotoxic Impurities Quantification
- Isotopic enrichment & D0 content
- Direct Mass Analysis

### ICP-MS

- Screening
- Elemental Analysis as per ICH-Q3D
- Batch Analysis

### PSD

- Wet & Dry Method for API, Intermediates.
- Suspension & Eye Drops particle Size Estimation
- Batch Analysis

### GC-HS

- Residual Solvents
- Assay & Related Substances, Identification
- Ethylene Oxide
- 1,4- Dioxin Analysis
- Fatty Acid Estimation

### Method Development & Validation, Verification by

- LC-MS
- HPLC
- GC-HS
- ICP-MS
- Partice Size Analyzer (3000-Malvern)
- Potentiometric Titrator as per the current ICH Guidelines
- Microbiology, Water Validations samples.

### HPLC: (UV-Visible, RI, PDA)

- Assay, RS, Identification, Dissolution.
- Content Uniformity
- Chiral Analysis

### Dissolution

- Dissolution Profile
- Multi Media Dissolution.

### CHNS

- Determination of C,H,N,S&O
- Identification of C,H,N,S&O

### Methodologies

- Pharmacopoeia Standards
- USP
- Ph. Eur.
- BP
- JP
- IP
- Client Methods

### TGA

- Weight Loss by TGA
- Residue On Ignition with Less Quantity

### Wet Instruments

- IR Spectroscopy
- UV-VIS-Spectroscopy
- Water Content by KF
- Viscosity
- Melting Poing

## Complete Microbiological Analysis

- Pharmaceutical
- Medical Devices
- Cosmetics
- Industrial Water
- Foods
- USP Suitability
- MLT Testing
- Sterility Testing
- Water Analysis
- Personnel Monitoring
- BET(Water,Raw material, Injectable, Finish Product)
- Disinfectant Efficacy
- Preservative Efficacy
- Bio Burden Determination
- Active Air Sampling
- Surface Monitoring
- Settle Plate and Contact Plate
- Microbiological Assessment of Antibiotics & Vitamins

## CHARACTERIZATION & QUALIFICATION

- Impurity Characterization and Working Standard
- Qualification will be done by NMR, Mass, IR, TGA, CHNS

### SOR

- Polarimeter
- OR analysis
- SOR analysis

### DSC

- Thermal analysis

### PrepHPLC

- Isolation

## STABILITY STUDIES

- ICH long term Condition
- ICH-Intermediate Condition
- ICH-Accelerated Condition
- Custom storage conditions can be programmed to meet customer Specific requirements

## QUALITY ASSURANCE

- Independent Quality Assurance Unit
- Document Control system
- Continuous Training and Education
- Study & Facility based Audits

## REGISTRATIONS & CERTIFICATIONS

- Approved by State Drug Control Administration
- USFDA Registered (FEI : 3012696012 )
- NABL (ISO/IEC 17025: 2005) Certified
- ISO 9001:2015 Certified
- GLP Certified

## STRENGTH

- Highly qualified and well- experienced scientific team
- Facilities for Instrumentation and Microbial monitoring



### To Reach Us:

#### Laboratory:

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