

# SRI CHAKRA SCIENTIFIC SERVICES

(Calibration & Testing Lab)



## SRI CHAKRA SCIENTIFIC SERVICES

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- ISO 9001:2008 CERTIFIED LAB
- ISO/IEC 17025 : 2005 ACCREDITED LAB

[www.srichakralabs.co.in](http://www.srichakralabs.co.in)



## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### About Us :

Sri Chakra Scientific Services was established in Nov 2012 by professionals with experience of more than 15 years in Analytical Industry with a mission of "To ensure that the food consumed by human beings is devoid of contaminants & Adulterations which pose serious threat to Human health".

Considering huge growth in Food & Agriculture, Herbal & Nutraceutical and Pharmaceutical Industries, there is a great need for testing & Calibration labs that can provide customized & specialized services under one roof.

SCS envisions being a premier Testing & Calibration laboratory in the nation by providing impartial, non-controversial and independent quality services technically competent, reliable and affordable services to a wide range of industries with minimal turn around times.

### SCS Credentials :

- ◆ ISO 9001 : 2008 Certified by ACCAB
- ◆ ISO/IEC : 17025 : 2005 Accredited by NABL

### SCS Services :

- ◇ Calibration Services
- ◇ Testing Services
  - Food and Agriculture
  - Pharmaceuticals
- ◇ Training & Awareness Programs
- ◇ Consultancy Services
- ◇ Environmental Monitoring
- ◇ Clean Room Validations



## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### CSR (Corporate Social Responsibility) :

- Creating awareness programs on ill effects of unhygienic & non-nutritional foods for school children.
- Voluntary participation in drawing of Fresh Vegetables from Raithu Bazar, testing as per FSSAI norms and submit the data to regulatory bodies
- Nonprofit services for Street Food Testing & agriculture farming
- Seminars & Awareness programs to various industries on upcoming regulations, technical & quality aspects.

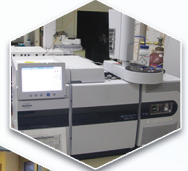




## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Major Technologies / Infrastructure

- ❖ HPLC – FLD, UV
- ❖ GC – FID, ECD, PFPD, HS
- ❖ AAS
- ❖ LC-MS MS with Qtrap
- ❖ GC-MS MS Purge & Trap
- ❖ HR – LC MS MS (Orbitrap)
- ❖ ICP – MS
- ❖ UV-VIS Spectrophotometer
- ❖ FT – IR
- ❖ RT – PCR
- ❖ Mass Comparators
- ❖ Ultra Micro, Semi Micro and Analytical Balances
- ❖ Pressure & Vacuum Comparators
- ❖ Photometers
- ❖ Particle Counter
- ❖ Bio-test Air samplers
- ❖ High Temperature Baths
- ❖ Data Loggers
- ❖ Temperature Sensors
- ❖ Stability Chambers
- ❖ E1, E2, F1 class Master Weights
- ❖ Universal Calibrators
- ❖ Other suitable lab equipment's & Instruments



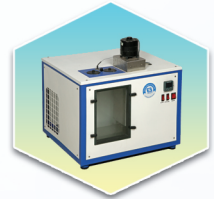


## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Calibration Services

#### THERMAL – Temperature (Scope: -80°C to 1200°C)

- ♦ Wet & Dry Thermometers.
- ♦ Room Thermometers
- ♦ Clod Chambers, Deep Freezers, Refrigerators
- ♦ Environmental Chambers,
- ♦ Digital Thermometers with Prob.
- ♦ Digital Temperature controllers with sensors for BOD INCUBATOR
- ♦ Digital Temperature controllers with sensors for INCUBATOR
- ♦ Digital Temperature controllers with sensors forHOT AIR OVEN
- ♦ Digital Temperature controllers with sensors for MUFFLE FURNACE
- ♦ Digital Temperature controllers with sensors for AUTO CLAVE
- ♦ Digital Temperature controllers with sensors forHEATING MANTILS
- ♦ Digital Temperature controllers with sensors forHOT PLATES
- ♦ RTDs
- ♦ Temperature Controls withRTD/TC.
- ♦ Temperature Indicator withRTD/TC.
- ♦ Thermocouples – J, K, T, B, R, S, E, Netc.,
- ♦ Temperature Transmitter-Smart(Digital).
- ♦ Temperature Calibration bath – Dry Block / Stirred Liquid Baths.
- ♦ Electro Technical





## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Calibration Services

#### MECHANICAL – Pressure (Scope: -1 to 700 bar)

- ▶ Pressure Gauges (Analog) : 0 to 700 bar.
- ▶ Vacuum Gauges (Analog) : -760 mmHg to 0.
- ▶ Compound Gauges : (-1) to 700 bar.
- ▶ Digital Pressure Gauges : (-1) to 700 bar.
- ▶ Digital Vacuum Gauges : (-1) to 1 bar.
- ▶ Pressure Transmitter : 0 to 400 bar.
- ▶ Pressure Switches (Single span) : 0 to 30 bar
- ▶ Pressure Switches (Double Span) : 0 to 400 bar
- ▶ Low Pressure Gauges : 100 mmWc to 16000mmWc.
- ▶ Dead Weight Tester (Pressure & Vacuum) : (-1) to 700 bar.
- ▶ Diaphragm sealed Gauges : (-760mmHg) to 700 bar.
- ▶ Pressure Indicators : 0 to 700 bar.
- ▶ Oxygen Cylinder Gauges (Without oil) : 0 to 400 bar.
- ▶ Manometers : 0 to 400 bar
- ▶ Dimension Metrology & Meteorology



#### MASSES (Scope : 1 mg to 300 kg)

- ▶ Single Pan Balance
- ▶ Analog Balance
- ▶ Weight box (E1, E2, F1, F2, M1, M2, CI Weights)
- ▶ Electronic balance
- ▶ Ultra Micro
- ▶ Micro
- ▶ Semi Micro
- ▶ Top load
- ▶ Micro Pipettes (1 $\mu$ l to 10ml)
- ▶ Burettes
- ▶ Measuring glassware



## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Calibration Services

#### Laboratory Instruments / Equipment's

- ❖ Chromatography instruments
- ❖ pH meter
- ❖ Laminar Air flow
- ❖ Bio Safety cabinet
- ❖ Conductivity meter
- ❖ Spectrophotometer
- ❖ Dissolution Apparatus
- ❖ Disintegration Apparatus
- ❖ Turbidity meter
- ❖ TDS Meter
- ❖ Multimeters
- ❖ Universal calibrator
- ❖ Resistance decade box
- ❖ Dimension equipments
- ❖ Test Sieves



#### Clean Room Validations

- ( Particle counts by Particle counter
- ( Biological sampling by Bio-test air sampler
- ( Noise by Noise meter
- ( Light intensity by Lux meter
- ( UV Light intensity by UV light meter
- ( Air Velocity by Anemometer
- ( Differential Pressure by Manometer
- ( Temperature & Humidity by Data loggers
- ( DOP & PAO test by Photometer with Generator



## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Testing Service

#### Food & Agriculture Testing Services

- Physico-Chemical tests
- Nutritional labelling
- Amino Acid Profile
- Residual Pesticides
- Residual Drugs
- Hormones & Steroids
- Metals & Minerals
- Mycotoxins
- Microbiological tests
- Shelf Life studies (Accelerated, Real-time, Photo stability)
- GMO
- Food Adulterations
- Allergens
- Non-targeted screening



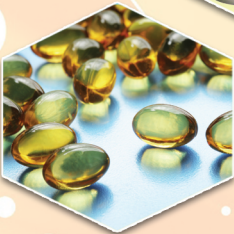


## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Testing Service

#### Herbal, Pharmaceutical Testing Services

- ☞ Metals & Minerals
- ☞ Assays
- ☞ Exact Mass with empirical formula
- ☞ Residual Solvents
- ☞ Residual Pesticides
- ☞ Amino Acid Profile
- ☞ Mycotoxins
- ☞ Microbiological tests
- ☞ Shelf Life studies (Accelerated, Real-time, Photo stability)
- ☞ Non-targeted screening







## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Testing Service

#### Agricultural Inputs & Water Testing Services

- ✿ Residual Pesticides
- ✿ Micro & Macro nutrients
- ✿ Amino Acid Profile
- ✿ Metals & Minerals
- ✿ Pesticide formulations
- ✿ Metals & Minerals
- ✿ Volatile & Semi Volatile Organic compounds
- ✿ Poly Chlorinated Bi Phenyls
- ✿ Poly Nuclear Aromatic Hydrocarbons
- ✿ Microbiological Tests



#### Environmental Monitoring Services

- ✗ Ambient Air Quality & Stack Monitoring
- ✗ Indoor Air Quality Monitoring (Gases and Microbiological analysis)
- ✗ Compressor Air Analysis (Gases, Particulates and Dew point)
- ✗ Air and Water Quality Modeling
- ✗ Air and Water Pollution Assessments and Monitoring
- ✗ Workplace Environmental Monitoring





## SRI CHAKRA SCIENTIFIC SERVICES (Calibration & Testing Lab)

### Testing Service

#### Training Programs & Consultancy Services

- ♣ Project & Job Orientated Trainings for Students
- ♣ Trainings on Management Systems
- ♣ Trainings on Analytical techniques & Industrial Calibrations
- ♣ On Quality Management systems (ISO 9001, 22000, 14001, 18001, HACCP, FSSAI, ISO 17025)
- ♣ Setting up of Laboratories & Processing Plants
- ♣ Out sourcing of Technical & Quality services
- ♣ Development of new products (R&D)
- ♣ Turn-key projects
- ♣ Financial Accounting, Auditing, Hearings, Income tax filings, Service tax filings etc.

