

Excellence In Testing



Testing

Calibration

Inspection

Equipment

Laboratory Setup

About us



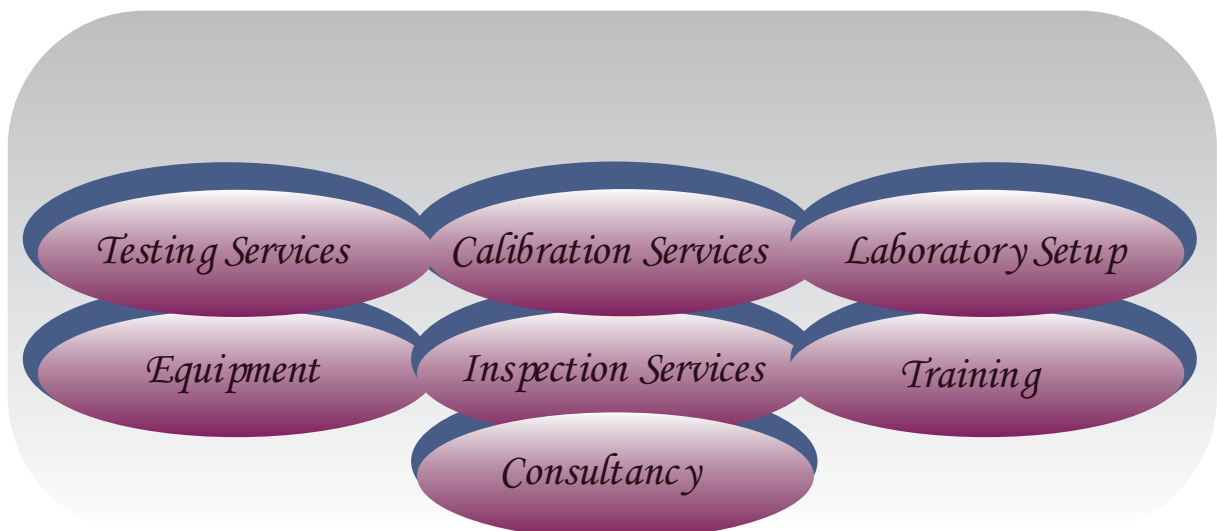
Spectro Research Lab Ventures Pvt. Ltd. is a unit of Spectro group of companies. The parent company Spectro Analytical Labs Ltd. is based at New Delhi and has Branches in various cities. Spectro provides complete testing solutions under one roof for Chemical and Mechanical testing of variety of materials. This includes Metals & Alloys, Minerals, Ores, Refractories, Ceramics, Soil, Water, Environment, Coal & Coke etc.

Spectro undertakes Third Party Inspection for Quality and Quantity besides, Pre-Shipment & Shipment Inspection. We offer Consultancy Services for setting up of a Laboratory, ETP Designing & Maintenance, undertakes Environment related studies anywhere in India.

Spectro Research Lab Ventures (P) Ltd. Has ISO 17025 Accreditation in two fields. i.e. Mechanical & Chemical.

The Accreditation in Calibration is also available with SAL Delhi.

Services We Provide



Testing Services

Testing of Engineering Materials



Metals & Alloys

Ferrous, Non-Ferrous-Metals & Precious Metals, Steel, tool, SS, Nickel, Cobalt, Titanium, Lead, Brass, Platinum etc by OES / XRF / AAS / ICP Spectrometer



Mechanical Testing

Tensile, Proof Load, Flexural Strength, Hardness, Micro-Hardness, Charpy, Impact Tests, Izod, Shore, Hot Tensile, Welded Coupons etc.



Metallography

Grain Size, Effective Case Depth, Phase Studies, Metallography, Image Analysis & Failure Analysis



Welded Structure

Welding Performance & Procedure qualification, Radiography, Transversers Tensile Test, Face/Root/Side Bend Test, Macro Examination as per ASME or other standards



Corrosion Testing

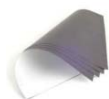
Salt Spray, Chloride Corrosion & Other Corrosion Tests As per relevant Specifications.

Testing of Textile products, Water & Papers



Water & Waste Water

Packaged Drinking, Natural Water for routine Tests & Residual Pesticides etc



Paper & Packaging Material

Craft Paper, Bond Paper, Corrugated Boxes-Crushing Test, Drop Test, Cob Test, Bursting Strength etc.



Textile Items

Regular testing of textile items, Yarn, Zip, Threads. Color Fastness to light, Color, Bursting Strength, Tear Strength, Flammability, Air Permeability, BWR etc as per relevant Specification.

Testing of Building Materials & Petroleum Products



Building Materials

Physical & Chemical Tests of Concrete, Cement, Aggregate, Admixture, Granite, Design Mix, Soil, Building Bricks, Marble etc



Paint & Coating

We perform various coatings & paints tests to assess their performance as per relevant Specification.



Coal/Cokes

Calorific Value, Proximate Analysis Moisture, Volatile Matter, Ash etc as per standards.



Petroleum Products

Insulating Oils, HSD, Engine Oil, Greases, Viscosity, Fire Point, Flash Point, Distillation etc as per relevant standards.

Testing of Leather, Rubber & Other Products



Leather & Leather Products

Tensile strength, Tear Strength, Chromic Oxide, SES, pH etc as per relevant Standards



Rubber & Rubber Products

Tensile strength, Elongation, Total Polymer, Carbon Black etc as per relevant Standards



Wood & Furniture Testing

Wood Confirmation, Tests for wood/wood based materials, Furniture, Packaging as per relevant standards

Calibration Services



Mechanical Calibration

Dimensions, Length, Angle, Flatness, Mass, Volume, Pressure, Sound, Pressure Gauge, U.T.M. Load Devices



Electro-Technical Calibration

AC/DC Current, AC/DC Voltage, Resistance, Inductance, Capacitance, Frequency, LCR Meters, Oscilloscope, Temperature Controllers



Thermal Calibration

Temperature, Ovens, Glass Thermometers, Temperature Indicators with Sensors, Furnace etc

Major Testing Equipments

Universal Tensile Tester



OES Spectrometer



Air Permeability Tester



Bursting Strength Tester



ATLAS Ci3000



Rockwell Hardness Tester



Vickers Hardness Tester



Flammability Tester



Zip Tester



Tensile Tester



BWR Tester



Pressurehead Tester



Tensile Tester



Tear Strength Tester



Flash Point Tester



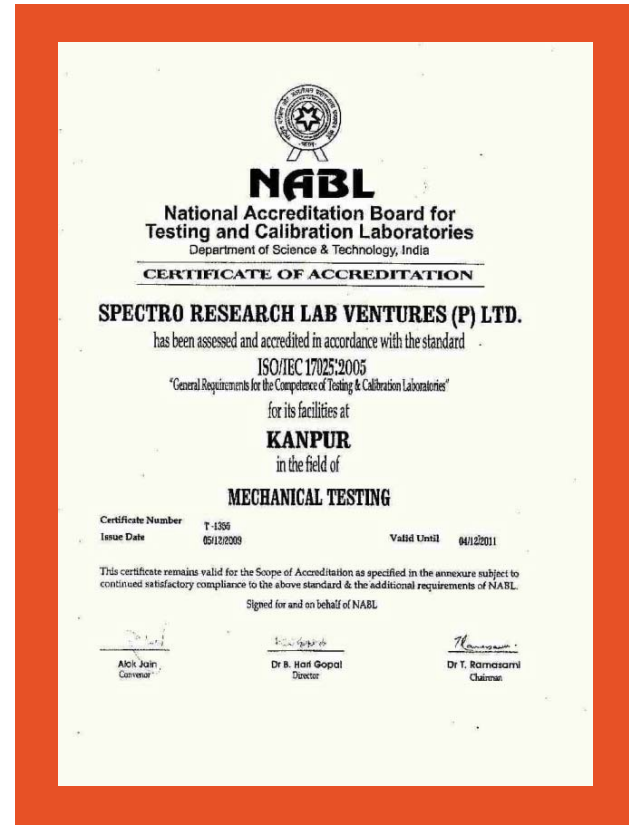
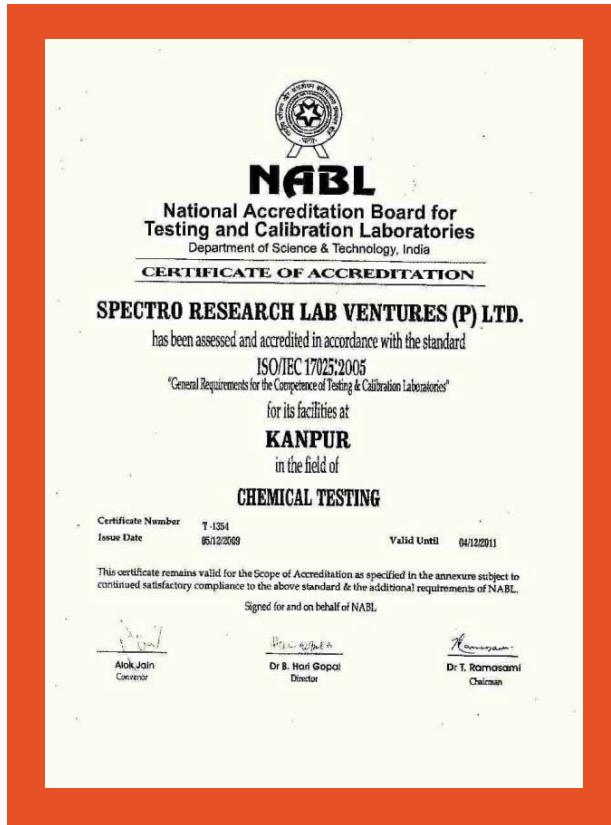
Lauderometer



Glossometer



Accreditation & Major Customers



- **Indian Ordnance Factories**
- **Indian Railways**
- **RDSO**
- **DGS&D**
- **RITES Limited**
- **SQAO**
- **Air Force**
- **Reliance Power Ltd.**
- **Reliance Industries Ltd.**
- **Power Grid Corporation Ltd.**
- **L&T Ltd.**
- **ABB Ltd.**
- **Siemens Ltd.**
- **J.S. Auto (P) Ltd.**
- **TATA Johnsons Ltd.**

Our Locations



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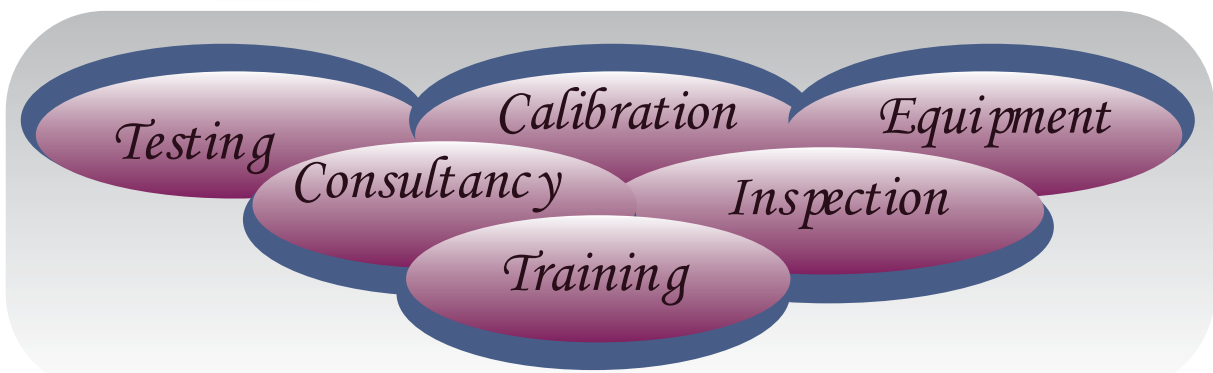
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