Today, Leather has became an integral part of human life such as garments and clothing accessories, luggage, bags and gloves, wallets, belts, watch straps, furniture, upholstery, sporting goods, safety gloves, industrial belts, Footwear’s and more.

SPECTRO is the leading testing laboratories in the field of Leather, Hardline and softline Testing. SPECTRO can test to all clients' requirements to ensure the products are “fit for purpose”. SPECTRO is able to carry out all strength tests utilizing state-of-the-art equipment to assess the risk of strap failures, whether at fastenings (e.g., buckles) or where the strap is attached to the body of the item itself.

As people become increasingly concerned about the impact of the use of chemicals on human health and environment, green regulations such as EU REACH and RoHS are implemented to manage and monitor the dangerous chemicals in various products. SPECTRO Lab is equipped with many advanced test instruments, such as HPLC, GC-MS, Gas Chromatography, ICP, LCMS, and XRF and so on, which enables testing items such as SVHC, PAHs and RoHS and so on.

SPECTRO provides a full range of hazardous substances testing services to ensure product safety and protect the human health and environment.

Our experienced and well trained staffs are dedicated to providing the most reliable and timely results possible. Quality customer care service is the core of our system, which is helping our clients to achieve a competitive advantage in their businesses allowing them to meet the ever increasing requirements in the market.
At SPECTRO we have facilities for testing all the physical, chemical, performance and environmental properties of leather, leather products and chemical components:

- Leather identification tests
- Chemical composition analysis
- Physical testing for special performance, strength and wear properties
- Tests for colorfastness
- Testing for Restricted Substances

### Test Parameter

- Ash Content
- Bond strength of laminated leather
- Hide substance
- Solvent extractable substance
- Shrinkage temperature
- Tensile strength & Elongation
- Water soluble matter
- Dry cleaning fastness
- Organic Nitrogen
- Apparent density
- pH value
- Moisture content
- Thickness
- Tear strength
- Volatile Matter
- Water absorption
- Fastness Testing
- Hide Substances

### Chemicals in Leather

Chromium (VI), Certain Azo Colorants, Formaldehyde and Pentachlorophenol are harmful substances which may be found in leather. SPECTRO possesses high technology analytical equipment to determine low levels of these chemicals, which can cause health problems to consumers and/or pollute the environment.

### Why SPECTRO?

Our strong reputation and broad experience in testing combined with our expertise in all the stages. Our work across a wide variety of industries and disciplines gives us the know-how to help you navigate all aspects of complying with the key milestones. SPECTRO has broad expertise on a variety of consumer products. SPECTRO experts offer a wide knowledge in Global Chemicals Restriction.
Major Activities

- Metals & Alloys
- Non Destructive Testing
- Rubber & Polymers
- Food and Agro Products
- Coal, Solid Fuels & Petroleum
- Electrical & Electronics
- Pharmaceuticals & Drugs
- Building Materials
- Minerals & Chemicals
- Leather & Textiles
- Water & Environment
- Paper & Packaging Materials
- Hazardous Substances
- Clean Room Validation

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