



Chemical Testing & Analysis Services

Eliminating hazardous
chemicals in your products

Your Challenges

With growing concerns about hazardous substances, consumer products are subject to a variety of regulations, standards, certifications, and requirements that go beyond the legal scope. To comply with these laws, retailers and manufacturers must conduct extensive chemical analysis testing throughout the supply chain. However, numerous regulations and testing requirements are constantly being updated, making compliance difficult to achieve. It is important for brands and retailers to work with a trusted quality assurance partner to ensure the product meets regulatory standards for market access and consumer safety.

Analytical Testing Services

ERF| MTS has an extensive global network of laboratories that perform analytical testing. Our clients can determine their preferred testing location and benefit from the ability to manage the project in real time while keeping costs to a minimum through customized testing protocols that are specific to your product categories.



Understanding your needs, ERF | MTS offers a full range of cost effective analytical testing and consultation services to monitor restricted substances identified by:

- **AFIRM RSL 2021**
- **CA PROP 65**
- **EU REACH Regulation**
- **EU RoHS Directive**
- **EU POPs Regulation**
- **The National GB Standard of China**
- **Toxic Substances Control Act (TSCA)**
- **US CPSIA**
- **ZDHC MRSL**
- **And more!**

Restricted Substances List (RSL)

- **Alkylphenols Ethoxylates**
- **Allergenic Disperse Dyes**
- **Dimethylflumarate (DMFu)**
- **Flame Retardants/ TRIS**
- **Per- and polyfluoroalkyl substances (PFAS)**
- **Total / Soluble Heavy Metals**
- **Nickel Release**
- **Lead Content**
- **Azo Dyes Content**
- **Cadmium Content**
- **Chromium VI Content**
- **Mercury Content**
- **Organotin Content**
- **Formaldehyde**
- **Phthalates**
- **PCP**



Get in touch
today for more
information!



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Modern Testing Services



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REACH Testing Services

ERF | MTS offers chemical, toxicological, environmental, eco-toxicological and residue testing and analysis services to help your company meet the complex REACH (Registration, Evaluation, Authorization and Restriction of Chemicals - EC1907/2006) testing requirements. We offer cost-effective compliance testing to manufacturers, importers and users of chemicals for REACH compliance.

RoHS Testing Services

ERF | MTS offers RoHS (2011/65/EU) testing services for restricted substances in electrical equipment and electronic products. Our RoHS analytical laboratories are staffed with experienced chemists and equipped with advanced instrumentation for testing electronic components.

Smart Chemical Compliance Testing

ERF | MTS has developed an innovative testing methodology known as SCCT to provide a faster, cost-effective, and proactive solution to support chemical compliance with various international regulations. With a single analysis, SCCT is able to identify the majority of hazardous substances before they are even used in production - unwanted chemicals that could inadvertently enter the supply chain can be reduced by up to 90%, and up to 70% of chemical testing costs can be saved while requiring only half the sample size.

Scan the QR code to watch a video explaining Smart Chemical Compliance Testing (SCCT)



Our state-of-the-art facilities are equipped with:

- Gas chromatography–mass spectrometry (GC-MS)
- Liquid chromatography–mass spectrometry (LC-MS)
- Inductively coupled plasma mass spectrometry (ICP-MS)
- Inductively-Coupled Plasma Optical Emission Spectrometry (ICP-OES)
- Fourier transform infrared spectroscopy (FTIR)
- Ultraviolet-visible (UV-Vis) spectrophotometry
- Solid phase microextraction (SPME) and thermal desorption (TD)
- Ion chromatography (IC)



Our chemical testing and analysis covers a wide-range of consumer products, including:

Leather goods	Textiles & Apparel
Footwear	Protective gears
Toys	Juvenile products
Jewelry	Accessories
Food contact	Cosmetics
Hardlines	Electronics
Paper & Packaging	Arts & Crafts
Pet products	And more!



About Us

Modern Testing Services ("MTS") was founded in 2006 as a quality assurance company specializing in testing, inspection and certification of consumer products. MTS operates without the pressure of short-term financial results and believes in long-term relationships built on trust, commitment and transparency. Today, MTS is a trusted partner to many leading brands, retailers, and manufacturers around the world, providing accurate, efficient and customized solutions at every point in the supply chain to ensure product quality, brand protection and customer satisfaction.

MTS joined Eurofins in November 2021. The synergy between MTS and Eurofins enables an expanded global service network in more than 35 locations in over 20 countries, as well as more robust technical expertise from over 2,000 dedicated and knowledgeable employees with additional product category coverage and more comprehensive services.



Modern Testing Services

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