



Furniture & Home Décor

Product safety & compliance

Eurofins' worldwide network of laboratories offers a comprehensive range of quality assurance and quality control solutions for furniture and home decoration products to ensure safety, functionality, performance and compliance, through testing, certification, inspection and regulatory services.

Stringent regulations and demanding consumers

Globalisation makes it easy for consumers to pick and choose from the best products worldwide.

Furniture product testing and certification not only aims to prove compliance with mandatory safety requirements, but also contributes to understanding the performance, ergonomics (where applicable) and durability of the product while being used, thereby providing manufacturers, retailers and, ultimately, end customers with a clear vision about the quality, safety, functionality and lifetime expectation of the assessed products.

Our wide and international service offer displayed below covers most kinds of furniture products, such as indoor and outdoor furniture (chairs, tables, sofas, storage units, beds and more) for both domestic and commercial use (the latter also refers to "contract furniture" for offices, restaurants, hotels, cafes, retail shops, etc.). Other products also covered

within our services are decorative and seasonal items, candles, lamps and lighting, upholstery and mattresses, garden and camping products, etc.

Service scope

Eurofins' network of laboratories provides high expertise in different fields, making the Eurofins Group uniquely placed to help manufacturers, importers and brand owners to market compliance products through bespoke quality assurance and control programmes.

Our comprehensive portfolio includes, among other things, the following:

Regulatory compliance

- Product protocols generation and checks
- Technical compliance files (TCF)
- Artwork check, labels and marking review (proper and compliant wording and warnings, illustrations and icons, ease of interpretation, etc.)

- Toxicological assessment on substances used in the manufacturing process, embedded in the products' materials or released during emission testing
- Compliance checks against international regulations and Industry Standards, depending on the product and the destination markets, such as Regulation (EC) 1907/2006 (REACH) and other hazardous chemicals regulations, EU General Product Safety Directive (GPSD), UK furniture and furnishings (Fire and safety) regulations, US Consumer Product Safety Act (CPSA) and Consumer Product Safety Improvement Act (CPSIA), Flammability, Textile labelling and Fire retardants requirements, Electrical and Electronics requirements, etc.
- Bespoke testing programmes and protocols

Product & material testing

Safety, performance, physical-mechanical, and environmental testing

- General safety (edges, shearing points, openings, etc.)
- Strength (loading tests)
- Durability (Fatigue test / Endurance / Bespoke usability cycles)
- Stability (Tip over tests)
- Corrosion tests for metal parts (outdoor use)
- Temperature-humidity ageing
- UV degradation for plastics (outdoor use)
- Cross-cut adhesion for coated surfaces
- Moisture content of wooden or organic products (wood, leather, textile, etc.)
- Hardness, thickness, softness, density and other measurable parameters
- Tear and tensile strength, flex resistance, rub fastness, abrasion
- Finish adhesion, colour and light fastness, fading, bleeding, colour migration, water spotting/staining & perspiration testing for textile, leather and synthetic materials
- Flammability testing for upholstery and home textiles, filling materials, carpets, rugs, etc.
- Burning, sooting, wick and flame behaviour, stability, temperature and general safety and performance testing for candles and candle holders
- Sensory evaluation and consumer tests
- Fitness for use (FFU)/usability
- And more

Chemical analysis

- EU REACH Testing & Compliance Services
 - Screening and Testing of SVHC (Candidate List and Annex XIV) present in articles
 - Restricted substances under REACH (Annex XVII) for legal compliance
- Organic and Inorganic chemical testing
 - Azo Dyes, Disperse Dyes, PAH, DMF, Formaldehyde, Flame retardants (PBB, PBDE, TDCPP, TCEP, TEPA, etc.)
 - Total Cadmium (Cd)
 - Total lead (Pb)
 - Nickel Release (Ni)
 - And more
- VOC emission testing
 - Stainless Steel Emission test chambers under ISO 16000-9
 - Analysis through different techniques (GC-MS, LC-MS, HPLC-UV)
 - Determination of emission rates of volatile organic compounds (VOC) such as solvents or plasticisers; formaldehyde, aldehydes, other chemicals)
 - Emission of undesirable substances during combustion (for candles)
- US CPSIA regulation
 - Lead Content in Coating and Substrate, Phthalates, etc.
- Chemical testing on electrical & electronics (RoHS, Batteries, PAHs, etc.)

Electrical & electronics

- IoT and smart home device testing and certification
- Electrical safety, EMC, Wireless, Energy Efficiency
- Global market access, certification and international approvals
- Mechanical and environmental testing
- Performance and fit-for-use testing
- Failure analysis & benchmarking
- Digital testing solutions

Corporate Social Responsibility & sustainability services

Sustainability is high on the agenda of our R&D experts, who continue developing services aimed to help Corporate Social Responsibility (CSR) managers and product developers to better monitor their respective sustainability strategies towards circular economy. Our service scope includes, among other things: Ecolabel & Quality labels, LEED, Sustainable Buildings, Organic Cotton Identification, GMO detection, microplastics shedding quantification, vegan certification, supply chain mapping, social & environmental audits...and more to come!

On-site inspections and audits

Assessing manufacturing sites before initiating mass production and checking product quality prior to shipment are key parts of the quality control process, and vital to ensure that production is carried out according to the quality standards and expectations of destination markets.

We offer a full suite of factory audit services, covering social, environmental, technical and security compliance.

Quality assurance and control throughout the supply chain

Whatever your role in the supply chain, you need to safeguard the reputation of your brand and/or that of your client.

From suppliers' assessment and R&D support, regulatory guidance or supply chain mapping, all the way through to compliance, bespoke testing and QC inspections and down to failure analysis and market surveillance, we cover every stage of your product's quality journey.

