

Eurofins Sustainability Services




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Climate change, deforestation, pollution, and waste means that sustainability has become one of the most important global topics. A good sustainability strategy can lead to positive impacts, competitive advantage, increased sales, and profitability.

Our goal at Eurofins Sustainability Services is to offer sustainability strategies and solutions to all areas of the product value chain. This means we support our customers in creating sustainable product offerings backed by verified metrics and measurements. These measurements and metrics deliver scientifically proven claims and enable our clients and their customers to make informed choices.


Click on the images below to find out more about the sustainability services and solutions we offer for your sectors of interest



Sustainable Agriculture



Sustainable Raw Materials



Sustainable Manufacturing



Sustainable Chemistry



Sustainable Products



Sustainable Retail




Sustainable Lifestyle




Sustainable Waste



Sustainability Strategy



Social Audit



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Biodegradability, Compostability and Disintegration
Several tests are available at Eurofins laboratories that measure factors such as biodegradability, disintegration, and compostability. It is important to know if the degradant that remains after biodegradation/disintegration releases toxic or harmful chemicals. Eurofins Sustainability Services can provide Ecotoxicity and plant response testing on such degradants. **Ecotoxicity testing** (in accordance with the Eurofins TerrAttesT®) measures hundreds of potential compounds that might be found in the degradants. **Plant response and weed tests** takes the compost created and incorporates these into soil growth media at known concentrations.

Bio-Based Content
Through our partner laboratories, Eurofins Sustainability Services can offer testing to confirm the biobased content of a material using radiocarbon, carbon-14 analysis.

Emissions Testing
Eurofins Sustainability Services have a range of services to support air emissions carried out at our dedicated laboratory in Germany, which has Notified Body status.

Cotton Origin Verification testing
Transparency of supply chains is now an essential part of any business. Eurofins Cotton origin testing offers a service to the textile industry to verify the origin of cotton used in the manufacturing process through a combination of analytical techniques including Stable Isotope Ratio Analysis (SIRA).
We test pure or blended cotton materials across the whole supply chain, from raw cotton to dyed end product, for consistency with the claimed geographic cotton origin. The results can be used for marketing purposes and supply chain traceability.

Effluent Treatment Audits
A Eurofins Sustainability Services effluent treatment plant audit specifically assesses the operation's management, process, controls, and performance. It also assesses the skills and competences of the operators and technical capabilities of staff. The parameters assessed will vary depending upon the design.

Higg Verifier Assessments and Higg FEM Trainer Body
The Sustainable Apparel Coalition has approved Eurofins Consumer Products Assurance (CPA) as a Higg Facility Environmental Module (Higg FEM) Verifier Body. As an accredited Verified Body, approved verifiers of Eurofins Consumer Product Assurance can conduct on-site audits to validate and confirm information submitted by facilities, and facilities can then share their results with brands and retailers to demonstrate their achievement in environmental performance. We are also a Higg Facility Environmental Module (FEM) Trainer Body.

Durability Testing and Assessments
To enable our customers to assess the durability of their products and understand the end-of-life characteristics of products, we offer a range of services. We offer a full suite of quality testing for textiles, leathers, plastics, metals and synthetics including comprehensive advanced durability testing on multiple materials and products. Upon successful completion of durability testing, our Durable Product or Durable Fashion Eurofins Certification Marks can be used for marketing purposes.

Consumer products we test for durability include:

- Apparel e.g. jeans, t-shirts shirts, blouses, coats, underwear
- Footwear e.g. boots, open or closed-toed shoes, trainers
- Accessories, e.g. handbags
- Workwear
- Cookware; pots and pans



Feather and Down Traceability Testing

Brand and retailers have a growing requirement for traceability and transparency of their consumer goods supply chain including feather and down used in articles such as bedding and coats. Eurofins offers a COFRAC 1-0287 accredited feather and down geographic origin testing service using a combination of analytical techniques that includes Stable Isotope Ratio Analysis (SIRA). We offer traceability testing on raw, partially washed and fully washed feather samples, the results of which can be used for marketing purposes and supply chain traceability.



Air Quality Testing

To enable our customers to assess emission performance and make positive claims about their products, we have developed the "Eurofins Indoor Air Comfort Gold" certification scheme. The concept is that the Eurofins Internal Air Comfort (IAC) Gold Standard covers all European VOC emissions requirements making it a best-in-class test. Products that fulfil IAC Gold automatically achieve all the other requirements. The certification is based upon a contract that requires annual testing and inspection, that must be carried out at Eurofins Product Testing A/S.



Leather Working Group Audits

Eurofins has experienced, LWG approved auditors working globally, and can provide both the LWG ESG assessment and deliver an accredited social audit for our customers. Upon satisfactory assessment, and with appropriate scores, the company can achieve Gold, Silver, Bronze, and Audited ratings. The Eurofins Sustainability Services audit team can deliver the following LWG audits as requested:

- Leather manufacturing audit (for those manufacturing leather at various stages)
- Leather trader audit (for those selling part processed or finished leather)
- Commissioning manufacturer audit (for those using sub-contractors to make the leather)
- Sub-contractor audits



Life Cycle Assessments

A life cycle assessment (LCA) is the detailed analysis of a product's complete life cycle concerning sustainability. Each part of a product's life cycle is catalogued from the extraction of raw materials to production; its inputs, transport, the use and what happens to a product after use. An LCA provides a detailed understanding of a product's sustainability credentials enabling companies to see the individual impacts and deliver improvements and savings. It can help shape policy, make product claims, deliver cost savings, influence design, and shape strategy. Eurofins Consumer Product Testing offers a range of LCA services that can be used to deliver internal benchmarking exercises or more detailed third party verified reports for claims and external publication. Our LCA services follow standard guidelines such as ISO 14040 and ISO 14044. Eurofins | BLC also offers a specialised footwear sustainability tool based on life cycle analysis principles, to help organisations understand the impacts of their footwear supply chain.



Microplastic Analysis

Eurofins Sustainability Services has invested in technologies that provide detailed microplastic analysis in the environment and have one of the world's leading microplastic testing and analysis services in this field. We can quantify and qualify microplastics in almost any media from water, to food, fish, sediment, sludge etc. In addition, we can identify the propensity of materials to shed microplastics using various washing and or immersion techniques to in-house or The Microfibre Consortium published standards.



Organic Cotton Analysis

Our GMO analysis of cotton seeds and chemical analysis can confirm the absence of toxic, synthetic pesticides, heavy metals, and other restricted chemistry. Our GMO testing is based on ISO/IWA 32:2019 "Screening of genetically modified organisms (GMOs) in cotton and textiles", which was developed as a widely accepted testing method for GMO detection in cottonseed, leaf, cotton fibre and cotton fibre-derived materials. Our network of laboratories is one of the few that can test all the chemical parameters of GOTS as well as GMOs according to ISO/IWA 32:2019, which Global Organic Textile Standard (GOTS) developed, the Organic Cotton Accelerator (OCA) and Textile Exchange to create a standard among laboratories worldwide on GM cotton screening along the organic cotton value chain.



Recyclability Assessments

Eurofins Sustainability Services offers an assessment of recyclability that can validate recyclability claims that also comply with the German VerpackG (German Packaging Law). The recyclability evaluation is performed on existing data sheets and specifications. The Eurofins Sustainability Services team then independently contacts the packaging materials manufacturers and requests additional data sheets and specifications. This approach cuts down on time and expense, avoiding cost-intensive and time-consuming analyses of your packaging material.



Social Audits

Eurofins Sustainability Services offer factory audits, covering social, environmental technical and security compliance.

- Our experienced team can help you:
- Develop a comprehensive social compliance programme
 - Deliver social audits to approved standards
 - Provide training and support to our customers

Eurofins Consumer Product Assurance is approved by industry standards and audit associations, including the Association of Professional Social Compliance Auditors (APSCA), amfori BSCI, Sedex SMETA, Social & Labor Convergence Program (SLCP), Worldwide Responsible Accredited Production (WRAP) and the Initiative for Compliance and Sustainability (ICS).



Soil Carbon Check

The amount of CO₂ which can be stored in the soil is up to three times that stored above ground. Increased carbon sequestration in the soil is good for soil health and contributes to limiting global warming. Consequently, there are global sustainability initiatives in place to improve soil health.

Eurofins Agro Testing offers Soil Carbon Check, a specific testing service which provides unique data on the amount of carbon captured in the soil. The Soil Carbon Check provides evidence to prove and claim sustainability in the agri-food chain, and for CO₂ capture.



Risk Mapped Supply Chain Services

Eurofins risk-mapped supply chain services help your business establish traceability and transparency. We have developed supply chain mapping software so that you can understand your supply chain and where the connections are. Our software tool includes an interactive geographical map identifying locations and functions within your supply chain footprint. We then use our industry expertise to complete a risk analysis of hotspots of activity. Mapping your supply chain provides transparency and an understanding of the risk posed by suppliers; delivering true benefits. As part of the mapping service, we also offer a regional assessment upon completion of the supply map.



Sustainability Strategies

For many companies understanding how to develop and implement a credible sustainability strategy can be challenging. Knowing the important topics and beginning the process requires focus, understanding, and resources. Our goal at Eurofins Sustainability Services is to provide our customers with the products and services they need to make informed decisions about their business and strategies. We have developed a sustainability starter pack to help our customers begin their sustainability journey. This starter pack involves a materiality assessment. A Eurofins Sustainability Services materiality assessment is a structured exercise facilitated by our team to engage company stakeholders to find out how vital specific environmental, social, and governance issues are to them. The insight generated by this exercise can help to shape strategy, prioritise tasks and set goals.



Vegan Verification

Eurofins Sustainability Services have developed a credible vegan verification test allowing brands and suppliers to make genuine, authentic claims about their products. The Eurofins Sustainability Services verification system uses advanced DNA analysis to identify mammalian, fish, bird, mollusc and insect DNA ensuring a total coverage of vegan sensitive raw materials. The Vegan Society (UK) and BeVeg (USA) have both approved the Eurofins certification system. Eurofins Sustainability Services issues its vegan certification mark, as seen across, and customers using the Eurofins system can also apply for Vegan Society and BeVeg certification.



Zero Waste to Landfill Assessment

Eurofins' Zero Waste to Landfill targets and rewards companies that can divert 99% of waste away from landfills toward alternative solutions. Disposal to landfill should be the last resort. The primary objective is to reduce or eliminate waste before seeking other solutions such as recycling, reuse, repurposing, energy generation, biodegradability, etc.

Zero Waste to Landfill by Eurofins Sustainability Services has two main pillars:

- 1. Training and understanding;** our team can provide training to ensure that key staff understand and maximise the benefits of the elimination or reduction of waste.
- 2. Assessment and certification;** our assessment team visit the manufacturing facility to assess how the operation aims to minimise waste and optimise the recovery and reuse of the residual wastes generated.



Sustainable CHEMISTRY



Chemical Testing

At Eurofins Sustainability Services, we provide our customers with the information they need to make informed decisions about chemical testing and compliance. Eurofins Consumer Product Testing offers a wide range of chemical tests conducted by a team of scientists, chartered chemists, and analytical chemistry experts. We have laboratories in many locations around the world.



Chem-MAP® Chemical Management

Through the Chem-MAP® programme; Eurofins Sustainability Services can support manufacturers in identifying and correcting RSL failures and support the development and implementation of a robust Chemical Management System that can manage all chemical inputs. Chem-MAP provides a flexible approach to capacity building for responsible chemical management and ultimately positions brands and retailers to implement reliable chemical sourcing strategies within their material supply chains. In this programme, staff can become Chem-MAP approved manufacturers can achieve Chem-MAP approved technician status.



Chem-MAP® ZDHC MRSL Certification

Chem-MAP is a family of chemical management tools and services that eliminates harmful chemicals from supply chains. We offer our approved partner programme for chemical manufacturers, which provides conformance to Zero Discharge of Hazardous Chemicals (ZDHC) levels 1,2 & 3. This ensures that chemical formulations comply with the latest ZDHC MRSL, providing complete chemical testing of risk assessed chemical formulations, combined with an in-depth audit of the chemical manufacturing sites.



Chrome VI Services and Risk Profiler

Due to the complex nature of chrome VI formation, risk management can be challenging. The Eurofins Sustainability Services leather competence centre understands the contributing factors to chrome VI formation. The Eurofins team developed a digital tool to help customers assess the risk of chrome VI formation in leather from their suppliers. The Chrome VI Risk Profiler is a web-based tool that enables a retailer to assess, rate and manage the risk of chrome VI formation in a supplier's leather. The digital tool provides a dashboard of leather suppliers and scores their risk. Eurofins Sustainability Services can offer chrome VI testing with or without ageing using Determination of Chromium VI content by BS EN ISO 17075 Part 1 and Part 2.



MRSL Testing of Chemicals

MRSL testing of chemical formulations involves specialised chemical extraction and clean-up processes dependent upon the product formulation. Laboratory specialists at Eurofins Chem-MAP have developed the testing of chemicals to an MRSL with validated test methods used in the Chem-MAP programme. The test methods are used to determine the number of individual chemicals within a supplied chemical formulation, against those listed on the Zero Discharge of Hazardous Chemicals (ZDHC) MRSL. Eurofins Chem-MAP and Eurofins MTS are approved by ZDHC to provide MRSL testing as part of the Chemical Programme. However, Eurofins Sustainability Services can also carry out bespoke MRSL testing outside the standard ZDHC Chemical Programme against a customer's own MRSL list if requested.



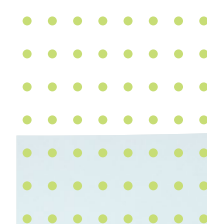
Chem-ST™ Smart Chemical Testing Solutions

Chem-ST™ is a new, innovative, and intelligent chemical assessment programme which uses specially developed smart composite and smart testing principles. Using state of the art analytical instrumentation, Eurofins have curated a range of full analytical methods and tools to test for the presence of hundreds of chemicals within materials and products. In addition, our unique intelligent indicator concept is used to minimise the number of individual tests required whilst maintaining high levels of diligence across key global chemical restrictions. Chem-ST™ adapts perfectly to assess chemical risk in chemical formulations, materials such as textiles, leather and polymers and finished products such as apparel and footwear for the presence of globally recognised chemicals of concern across multiple global markets and buyer requirements. Unlike standard Restricted Substances List (RSL) testing, which is based purely on target analytes, Chem-ST™ looks for both target analytes and other non-regulated chemicals of concern. This can be useful for customers that wish to form watching lists for future chemical of concern and work proactively to cleanse their supply chains.



PFAS, Total Fluorine and Total Organic Fluorine Testing

Per- and Polyfluoroalkyl substances (PFAS) are a group of thousands of possible substances used to enhance the performance of products like textiles, cooking pans, cosmetics, paint and electronics. Eurofins have a range of PFAS testing services across the supply chain, including materials and products. We offer PFAS testing using liquid chromatography and tandem mass spectrometry (LCMS/MS) on a targeted subset of PFAS. In response to clients' needs due to the rapidly increasing number of regulated PFAS, we also offer quantitative screening for Total Fluorine (TF) and Total Organic Fluorine (TOF) through C-IC testing as an indicator of PFAS contamination, followed by targeted PFAS testing where required.





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