

Testing for harmful substances - textiles

Objective

Testing for harmful substances ensures consumer safety and protection as well as compliance with several legal requirements. Certain chemicals used in textile manufacturing processes are potentially harmful to the human body and the environment. However, their use is only partially restricted by legislation. And they are in focus of attention for NGOs and consumer protection organisations. To comply with international standards, legal regulations and individual customer requirements (RSL = Restricted Substance List), the Hohenstein Institute offers a wide range of chemical testing to identify the nature and quantity of harmful substances in textiles.

Scope of services

- Consulting for customised testing programs
- Comprehensive, personalised test report including a detailed and transparent assessment of your products
- If required, an explanation of the test results by Hohenstein experts



Description

- Testing for harmful substances can be carried out at the Hohenstein Institute on raw materials, intermediate or end products at all processing stages along the textile production chain, including leather products.
- The experts at the Hohenstein Institute provide a tailored and cost-efficient test programme to meet your individual and specific requirements. Alternatively, we can work closely with you to apply the quality guidelines and special requirements of your clients.
- The testing encompasses both monitoring for legal conformity and general product quality.
- Among others, we offer testing for the following parameters:
 - Alkylphenoles/Alkylphenol-ethoxylates (AP / APEO)
 - Allergenic and carcinogenic dispersion dyes
 - Azo dyes
 - Chlorinated phenoles
 - Chlorinated organic carriers
 - Chromium VI (in leather)
 - Formaldehyde
 - Heavy metals
 - Nickel release under EN 1811
 - Organotin compounds
 - Perfluorinated compounds (PFC)
 - Pesticides
 - Phthalates
 - Polycyclic aromatic hydrocarbons (PAH)

Your benefit as a customer

- Individual and cost-efficient test programs, thanks to our long experience and textile expertise
- Testing for conformity with legal requirements in the EU and/or customer specifications
- Compliance with specific lists of restricted substances (RSL)
- Comparative product assessments
- Neutral evaluation of product quality for the purposes of quality control and optimisation to avoid product recalls

Requirements for test samples

General: Generally test samples should be submitted in new condition, incl. a description of their properties, the material composition and care instructions

Amount of material: Depends on the nature and number of tests required (normally at least 5 g per testing parameter)

Duration of testing: 5-10 working days,
Express available on request (if technically possible)