

## **STANDARD 100 by OEKO-TEX®**

STANDARD 100 is a worldwide, consistent, independent testing and certification system for raw, semi-finished, and finished textile products at all processing levels, as well as accessory materials used. Examples of certifiable items: raw, dyed and finished yarns, fabrics and meshes, accessories such as buttons, zip fasteners, sewing threads or labels, finished articles of various types (clothing of all types, textiles for the home and furnishing, bed linen, sponges etc.).

Since its introduction in 1992, the central focus of the STANDARD 100 by OEKO-TEX® has been the development of test criteria, limit values and test methods based on the science. Based on the extensive and strict list of requirements including several hundreds of individual regulated substances, the STANDARD 100 by OEKO-TEX® takes into account:

- Important legal regulations such as Azo dyes, formaldehyde, pentachlorophenol, cadmium, nickel.
- Numerous substances known to be harmful to health or environmentally relevant but not yet subject to any regulation.
- Requirements of Annexes XVII and XIV of the European Chemicals Regulation REACH and of the ECHA SVHC Candidate List that are assessed to be relevant for fabrics, textiles, garments or accessories by expert groups of the Oeko-Tex Association. Discussions and developments that are considered to be relevant are taken into account as quickly and effectively as possible through updates to the STANDARD 100 by OEKO-TEX® requirements.
- Requirements of the US Consumer Product Safety Improvement Act (CPSIA) on lead.
- Numerous classes of substances that are relevant also for the environment.

With its decades of experience, the STANDARD 100 by OEKO-TEX® therefore contributes to high and effective product safety from a consumer's point of view. Test criteria and limit values in many cases go far beyond applicable national and international standards. Extensive product checks and regular company on-site visits also ensure that the industry has a globally sustainable awareness of the responsible use of chemicals in the long-term and on a global level. With this concept, the STANDARD 100 by OEKO-TEX® has taken on a pioneering role for many years.

### **Laboratory tests and product classes**

OEKO-TEX® controls of toxic substances are designed mainly considering the use of the textiles and materials. The more intense contact a product has with the skin and the more sensitive it is, the stricter the human-ecological requirements will be. The product classes:

- Product class I:  
items for babies and infants up to 36 months of age (underwear, romper suits, clothing, sheets, sponges, etc.);
- Product class II:  
items with direct prolonged or large-area skin contact (underwear, bed linen, T-shirts, socks, etc.);
- Product class III:  
textiles without or with little skin contact (jackets, coats, etc.);
- Product class IV:  
furnishing materials for decorative purposes (curtains, table linen, upholstery fabrics, etc.).

**Certification**

The premise for the certification of products according to the STANDARD 100 by OEKO-TEX® is that all the components of an item meet the criteria required – in addition to the external material e.g. for sewing thread, padding, prints etc. and non-textile accessories such as buttons, zips, studs etc.. Among other requirements are the existence and application of business management and quality assurance procedures and the legally binding subscription of commitment and compliance statements by the customer.

Source: <https://www.centrocot.it/oeko-tex/standard-100-by-oeko-tex/>