OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

Factsheet

ORGANIC COTTON IN THE STANDARD 100 by OEKO-TEX®

TESTING OF ORGANIC COTTON PRODUCTS FOR GENETICALLY MODIFIED ORGANISMS (GMO)

STANDARD 100 by OEKO-TEX® includes a GMO check for cotton and cotton products. The result of the test is a yes/no declaration that confirms whether or not the material sample contains genetically modified cotton.

PRODUCT DESCRIPTION

The GMO test in STANDARD 100 by OEKO-TEX® is mandatory if you want the organic cotton to be stated in the certificate text on the STANDARD 100 certificate. Organic Cotton must be certified separately from other cotton. The GMO test is optional for all other certifications in accordance with STANDARD 100 by OEKO-TEX®.
The test is performed in two steps:

1. The sample is shredded and the cotton fibers are mechanically and enzymatically degraded. The genetic material (DNA) is isolated from the fiber and purified in a multi-stage process.
2. If the DNA contains specific marker genes, there is a genetic modification. These genes can be identified on a molecular-biological level. Control reactions are used to prove that the cotton DNA is unmodified and exclude false-negative results.

THE COMPELLING BENEFITS

- You get a clear yes/no statement indicating whether your cotton product contains genetically modified cotton.
- You have the advantage that the test can be performed at any stage from the raw cotton to the finished product.
- You benefit from the fact that the molecular-biological verification systems have been optimized especially for cotton products.
- Reliable GMO testing results helps you to minimize the various risks along your supply chain, including:
  – Mixing of conventional and organic seeds
  – Contamination from neighboring cultivation areas
  – Contamination from internal processing methods
  – Incomplete traceability of the organic cotton

YOUR PATH TO GMO-TESTED COTTON PRODUCTS

- Fill out the application form (https://www.oeko-tex.com) and send it – together with the sample materials (if applicable) – to the OEKO-TEX® Institute of your choice.

  The selected OEKO-TEX® Institute will contact you.

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