



HOHENSTEIN

Services.

Hohenstein Laboratories in Greater China



**Rethink.
Response.
Responsibility.**



Maximum Added Value with German Expertise.

10,000 customers worldwide profit from the expertise of Hohenstein employees at the headquarters in Germany and our global network of offices in over 40 countries.

Our expert teams in Hong Kong and Shanghai offer a diverse range of tests and services for all major textile production of raw, semi-finished, and finished textile products at a competitive price. Independence and neutrality are the basis of our globally recognized testing system.

We provide consistent quality and testing standards worldwide. The Hohenstein Hong Kong laboratory is fully accredited according to ISO/IEC 17025 by the German National Accreditation Body (DAkkS), the China National Accreditation Service for Conformity Assessment (CNAS) and the International Accreditation Service (IAS). The Shanghai laboratory is accredited according to ISO/IEC 17025 by the CNAS.

Successful and reliable client support requires excellent employees and effective methods. We place great emphasis on the ongoing training of our staff according to our German commitment to quality, independence and neutrality.

We look forward to sharing our deep, interdisciplinary expertise with you and your supply chain, and serving you with our customized service and reliable quality.



Prof. Dr. Stefan Mecheels
CEO Hohenstein



Dr. Christopher Au
Managing Director
Greater China

Hohenstein China Laboratories

Key Services Hohenstein China Laboratories



Take advantage from our broad product testing scope:

- Textiles and garments
- Leather products
- Home textiles
- Accessories
- Textile and leather chemicals

Benefit from our testing standards:

- European Standards EN
- International Organization for Standardization ISO
- China National Standard GB, GB/T
- German Institute for Standardization DIN
- U.S. Consumer Product Safety Commission CPSC
- American Society for Testing Materials ASTM

The Hohenstein Laboratory in Shanghai. The worldwide Hohenstein expert team is highly devoted to quality, delivering fast, precise and absolutely neutral test results to our clients.



The Hohenstein Laboratory in Hong Kong – customized quality testing exactly where you need it.

Key Services

Hohenstein China Laboratories



Testing services include:

- **TESTS FOR HARMFUL SUBSTANCES** (REACH, LFGB, CPSIA, ZDHC, Detox, individual RSLs, etc.)
- **OEKO-TEX® PRODUCT PRE-TESTING**
We perform pre-testing according to OEKO-TEX® testing methods and criteria. Customers can check whether their products can meet the OEKO-TEX® requirements prior to certification.
- **PHYSICAL TESTING**
 - Colour fastness
 - Dimensional stability and appearance
 - Fabric performance (Tensile strength, tear force, air permeability, seam slippage, elasticity, etc.)
 - Durability (abrasion, pilling)
 - Durability press (DP) rating
 - Water / oil repellency and absorption
 - Fibre composition tests
 - Product safety (sharp points/edges, small parts, torque test, odour, pH value, button test, etc.)
 - Flammability



- **ENVIRONMENTAL TESTING**
WATER AND SLUDGE TESTING: We are accredited to provide independent proof of compliance with industry requirements and standards to reduce your environmental impact from hazardous chemicals, such as OEKO-TEX® limit values, ZDHC requirements and Detox campaign goals.
- **INDEPENDENT INSPECTIONS AND QUALITY MONITORING**
The inspection service with qualified domestic inspectors offers you the possibility to monitor and control your production in all stages (pre-production check, during production check, final random check).
- **PERFORMANCE TESTING**
 - Qualitative and quantitative assessment of textiles for comfort, cooling and heating, fit, compression, odour management, UV protection effect, etc.
 - Testing and certification of antibacterial, antimycotic and antiviral efficacy of textiles and consumer goods
 - Assessment of cytotoxicity, sensitization, biocompatibility, irritation / mucosal damage, etc.

Chemical properties (Chemical testing items)

- pH value
- Formaldehyde
- Extractable heavy metal
- Chromium (VI) content
- Total cadmium content
- Total lead content
- Nickel release
- Banned arylamines – azo dyes
- Allergenic & carcinogenic dyes
- Polycyclic aromatic hydrocarbons (PAHs)
- Phthalates
- Organotin compounds
- Polychlorophenols (PCPs)
- Chlorinated organic carriers (COCs)
- Alkylphenols & alkylphenol ethoxylates (AP & APEO)
- Perfluorinated and polyfluorinated chemicals (PFC)
- Short chain chlorinated paraffin (SCCP)
- Volatile organic compounds (VOCs)
- Phenol
- Quinoline
- Bisphenol A

The textile supply chain and our solutions.

Input control

OEKO-TEX® ECO PASSPORT is an independent certification for textile and leather chemicals, dyes, and auxiliaries. The multi-stage verification process ensures that the substances fulfil specific requirements with regard to sustainable production and are produced in an environmentally friendly and socially responsible manner. ECO PASSPORT certified products are ZDHC compliant.

OEKO-TEX® ORGANIC COTTON is a reliable third-party testing and certification system for textile products made from organic cotton or blends with $\geq 70\%$ organic cotton. The scope comprises supply chain traceability, testing for genetically modified cotton, harmful substances and proof of origin in organic farming.

Process control

OEKO-TEX® STeP is an independent certification for environmentally friendly and socially responsible production facilities of the textile and leather supply chain that want to document their sustainable commitment transparently by means of an assessment, a company audit and a concluding scoring.

The **Impact Calculator** offers a simple, science-based online tool for calculating the carbon and water footprint of STeP certified production facilities. It helps to initiate targeted steps to reduce the environmental impact.

Output control

OEKO-TEX® STANDARD 100 is an independent certification system for textiles from all stages of production that have been tested for harmful substances.

OEKO-TEX® ORGANIC COTTON is an independent testing and certification system for textile products made from organic cotton or blends with $\geq 70\%$ organic cotton.

OEKO-TEX® MADE IN GREEN is a product label for textiles and leather articles from materials tested for harmful substances that were manufactured in environmentally friendly facilities and under socially responsible working conditions. It offers traceability plus transparent supply chains.

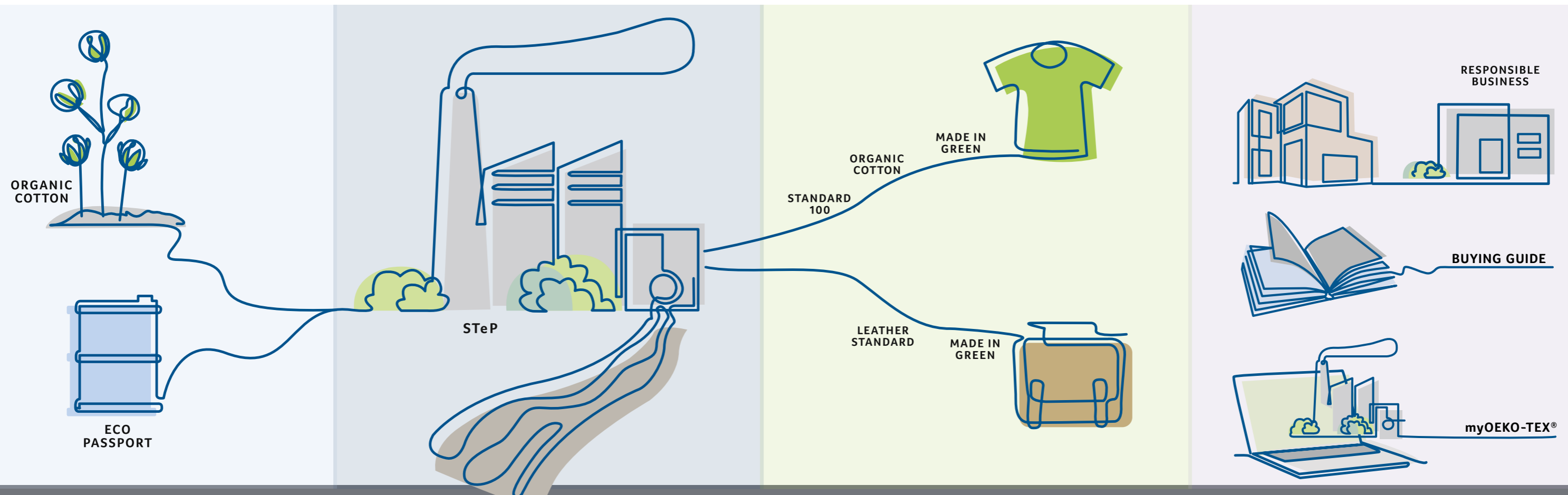
OEKO-TEX® LEATHER STANDARD is an independent certification system for leather articles from all stages of production that have been tested for harmful substances.

Supply chain management

OEKO-TEX® RESPONSIBLE BUSINESS is a practical assessment tool and third-party certification that supports companies in implementing and transparently communicating their corporate due diligence obligations along their supply chains with regard to human rights and the environment.

OEKO-TEX® Buying Guide provides an attractive platform for bringing attention to your product line that has been tested for harmful substances, in addition to your own marketing activities. In our online directory you will find products, brands and manufacturers certified according to OEKO-TEX® standards.

myOEKO-TEX® is the central portal for the certificate and application management of all OEKO-TEX® products.



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Close to the industry – With over 1,000 professionals working in over 40 countries, Hohenstein offers expert service right where you need it.

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Your Partner for Textile Expertise.

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