HOHENSTEIN

# Sweat odor management

## Product. Test. Label.

The tests evaluate the performance of textiles and finishing against odors, especially sweat odor.

## These tests are particularly suitable for

- Sports- and outdoor clothing
- Workwear
- Close-fitting clothes
- Upholstery, home textiles

## Customer benefit

- Practical evaluation of the product
- Product optimization
- Advertising impact

## Marketing Instruments – Labels and Certificates

- The results of the tests 1.) and 2.) can be displayed as a Certificate, see following table.
- On passing the test 3.) the product may be awarded the Quality Label "Odor Control". Customers can easily assure themselves of the exceptionally quality of a product.

## Several tests an be used depending on the product specification

| Product specification | Test | Test criteria |
|---|---|---|
| **1.)** Antibacterial textiles | **Efficacy against sweat odor producing bacteria** | Based on the standard test method DIN EN ISO 20743 the antibacterial activity is determined against the skin-specific microbes Staphylococcus and Corynebacterium after 4 h of incubation. |
| **2.)** Products that optimize odor release and retention | **a) Release of sweat odor** | A special sweat odor simulate ("artificial sweat") is applied on the sample. The sweat odor intensity is assessed by trained odor panellists according to VDI 3882. |
| | **b) Binding capacity for sweat odor molecules** | A radioactively labelled lead substance of odorous sweat is quantified on the fabric by means of scintillation measurement. |
| **3.)** Products that optimize odor redution | **Sweat odor field tests** | Samples are worn by a group of test persons in an application-specific activity (e.g. sports, work). Sweat odor intensity is then evaluated by trained panellists using an olfactometric sampling unit. The field test can thus prove an anti-sweat-odor effect from the consumer's point of view. |

**We are not only concerned with sweat odor, our service includes a wide range of odors (e.g. kitchen smell), test methods and individual test designs.**

## Test sample requirements

### General

- Please indicate adequate names and specific denotations of the sample (composition of material, article number, etc.)

### Quantity of material

- At least 20 g of the test sample (1. and 2.)
- Variable, depends on number of test persons (3.)

### Duration of the test

- 2 – 3 weeks (1. and 2.); the date will be confirmed upon receipt of the test sample
- 4 – 8 weeks (3.); the date will be confirmed upon receipt of the test sample