

# ***Sweat odour management***

## ***Product. Test. Label.***

The tests evaluate the performance of textiles and finishing against odours, especially sweat odour.



### These tests are particularly suitable for

- Sports- and outdoor clothing
- Workwear
- Home textiles (upholstery)
- Close-fitting clothes

### Customer benefit

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



### Marketing instruments – label and certificates

- The results of the tests 1. and 2. (see table on page 2) can be displayed as a certificate.
- When passing test 3., the product may be awarded the quality label “Odour Control”. Customers can easily assure themselves of the exceptional quality of a product.

## Several tests can be applied depending on the product specification

Product specification	Test	Test criteria
1. Antibacterial textiles	<b>Efficacy against sweat odour producing bacteria</b>	Based on the standard test method DIN EN ISO 20743 the antibacterial activity is quantitatively determined against the skin-specific microbes Staphylococcus and Corynebacterium after an incubation time of 18 h.
2. Products that optimize odour release and retention	<b>a) Release of sweat odour</b>	A special sweat odor simulate (“artificial sweat”) is applied on the sample. The sweat odour intensity is assessed by trained odour panellists according to VDI 3882.
	<b>b) Binding capacity for sweat odour molecules</b>	A radioactively labelled conductive substance of sweat is quantified on the textile by means of scintillation measurement.
3. Products that optimize odour reduction	<b>Sweat odour field tests</b>	The samples are worn by a group of test persons in an application-specific activity (e.g. sports, work). The intensity of the perspiration odour is then evaluated by trained panellists using an olfactometric sampler. The field test can thus prove an anti-sweat-odour effect from the end user’s point of view.

We do not deal with sweat odour only, our services include also a wide range of odours (e.g. kitchen smell), test methods and individual test designs.

## Test sample requirements

### General

- Please enclose all information on the test specimen, such as designation, material composition, article number if available, or number of washing cycles if applicable, when sending the specimen.

### Quantity of material

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

### Duration of the test

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