

Odor Performance Tests for detergent products

Objective

Performance of detergent product (e.g. sport or refresh liquids/caps) concerning the sweat odor release, retention or reduction.



SUITABLE FOR

- Detergent products

Advantages for you as the customer

- Neutral and objective proof of efficiency
- Consumer-relevant testing
- Development support
- Quality control

TEST METHODS

Test Method 1: Sweat Odor Reduction (technical test)

Scope: Assessment of the sweat odor intensity of artificial sweat on pre-washed textiles compared to an unwashed textile

Odor application: A sweat odor simulate (Hohenstein artificial sweat) is applied on different pre-washed textiles.

Assessment: The sweat odor intensity is assessed by trained odor panelists according to VDI 3882 using an olfactometric sampling unit.

Test Method 2: Sweat Odor Release (technical test)

Scope: Assessment of the sweat odor intensity of artificial sweat after 1 technical wash

Odor application: A sweat odor simulate (Hohenstein artificial sweat) is applied in defined way on the PES-textile.

Assessment: The sweat odor intensity is assessed by trained odor panelists according to VDI 3882 using an olfactometric sampling unit.

Test Method 3: Sweat Odor Retention (wash and wear panel test)

Scope: Assessment of the sweat odor intensity after 5 wash and active wear cycles

Odor application: Garments (e.g. sport shirts) are worn by test persons in an application-specific activity (e.g. sports).

Assessment: The sweat odor intensity is assessed by trained odor panelists according to VDI 3882 using an olfactometric sampling unit.

Test Method 4: Sweat Odor Retention (wash and wear screening test)

Scope: Assessment of the sweat odor intensity after 5 wash and wear cycles

Odor application: The textile patches are worn by a group of test persons under the armpits.

Assessment: The sweat odor intensity is assessed by trained odor panelists according to VDI 3882 using an olfactometric sampling unit.

Requirements for test samples

General

- Marketable samples and full dosage instruction for the desired testing conditions

Duration of testing

- 2 – 3 weeks after agreed test start and product arrival (test method 1 and 2)
- 4 – 8 weeks after agreed test start and product arrival (test method 3 and 4)

Contact

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