FACTSHEET

HOHENSTEIN

Antimicrobial Efficacy

Various test methods are used to investigate the antimicrobial effectiveness of the test specimen against bacteria, moulds, yeasts or viruses. The tests are carried out in accordance with recognised standards for which accreditation has been obtained from the DAkkS using the test germs specified therein.

This test is particularly suitable for

- Textiles
- Surfaces (plastics, metals, lacquers)
- Commodities depending on their structure and after consultation with the Hohenstein expert

Test germs

- Antibacterial: Staphylococcus aureus, Klebsiella pneumoniae, Escherichia coli
- Antimycotic: mould fungi (Aspergillus niger, Chaetomium globosum, Penicillium pinophilum, Paecilomyces variotii, Trichoderma virens), yeast (Candida albicans)
- Antiviral: MS2 phage (non-enveloped), phi6 phage (enveloped)
- Further test germs on request

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Customer benefit

- Product optimization during development
- Consumer safety
- Proof of efficacy
- Advertising impact

Testing standards

- Textiles: DIN EN ISO 20743 / AATCC 100 / ASTM E2149 / DIN EN 14119 / ISO 13629-2 / AATCC 30
- Surfaces: ISO 22196 / DIN EN ISO 846 part B
- In addition, further tests according to international standards or individual requirements are offered

Marketing instruments – labels and certificates

On passing the standard ISO tests, the product may be awarded the certificate “Antibacterial Activity” or “Antimicrobial Activity” and/or the Quality Label “Antibacterial”/ “Antimicrobial” (validity: 1 year) The term “Antibacterial” is used when there is a significant or strong activity against Gram-positive and Gram-negative bacteria, the term “Antimicrobial” is used when one additional parameter (antimycotic or antiviral) is achieved. More information under: https://www.hohenstein.com/en/trust/hohenstein-quality-labels/from-a-z/antimicrobial/

Test sample requirements

General

- Test samples will be examined as sent in, unless otherwise agreed
- On customers request, tests can also be carried out after a use simulation (e.g. specified number of reprocessing cycles)

Quantity of material

- Depending on the test, required quantity is stated in the offer