

Antibacterial Activity

The various test methods are used to investigate the antibacterial effectiveness of the test specimen against bacteria. 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

- ISO 20743: *Staphylococcus aureus*, *Klebsiella pneumoniae*
- ISO 22196: *Staphylococcus aureus*, *Escherichia coli*
- Other test germs on request

Customer benefit

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

Testing standards

- Textiles: DIN EN ISO 20743 / AATCC 100 / ASTM E 2149
- Surfaces: ISO 22196
- In addition, further tests according to international standards are offered.

Marketing instruments – labels and certificates

On passing the test, the product may be awarded the certificate “Antibacterial Activity” and/or the Quality Label “Antibacterial” (validity: 1 year).

The term “Antibacterial” is used when there is significant to strong activity against Gram-positive and Gram-negative bacteria.

More information under: <https://www.hohenstein.com/en/trust/hohenstein-quality-labels/from-a-z/antibacterial/>

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.

Test criteria

- According to the normative specifications.
- As a rule, at least 2 log steps/99% germ reduction.