



## Anti-mite test (efficacy against house dust mites)

### Objective:

This long-term test evaluates the efficacy of textile finishes on the development of a house dust mite population.

### This test is particularly suitable for:

- Textiles finished with agents directed against house dust mites
- Chemicals for spray application, that are supposed to kill house dust mites

### Description:

The examination of the efficiency of a textile sample and /or his finish against house dust mites is performed at the Department Hygiene, Environment & Medicine following the French standard **NF G39-011**.

For that purpose house dust mites (*Dermatophagoides pteronyssinus*) are applied on the sample material and the controls. After one week respectively two population cycles (= six weeks) at optimal living conditions, the mites are quantified. The number of mites is determined by counting with a stereo magnifying glass. The test report includes picture documentation.

For three-dimensional test samples which do not allow manual counting due to their assembly, an alternative evaluation by determination of the allergen amount (mite dropping allergen Der p 1) after 6 weeks is performed.

### Customer benefit:

- Product optimization
- Advertising impact

### Label and Certificates:

On passing the test with a high inhibition of the development of a mite population, the product may be awarded the Certificate "Efficacy against house dust mites" or the Quality-Label "Anti dust mite".

### Test sample requirements:

#### General:

- You will be informed about the type of evaluation (counting or determination of allergen amount) once the test sample has been received
- The test samples must always cover the entire group of articles
- A reference material made of the same basic fabric but untreated can be send with the test sample. If there is no reference material, an internal lab standard material will be applied as negative control. One of these options is included in the price
- Test samples and if applicable a reference material, must be packed individually and dark e.g. in plastic bags
- Please provide complete information on the samples, such as denotation, composition of material, description of the finish, article number (if known) or, where applicable, washing cycles
- We advise to parallel perform a test for biological compatibility, e.g. on cytotoxicity, since the users = allergy sufferers, are a group of persons with sensitive skin

#### Quantity of material:

- At least 20 x 30 cm of the test sample

#### Duration of the test:

- Between seven and eight weeks; the date will be confirmed once the test sample has been received

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