



Skin Friendly

Objective:

In this cell culture test, cell damaging substances that may leach out of the sample material, are detected. Therefore the test allows the evaluation of the potential for cell damage. This potential is recorded as a summation parameter. The test is no analysis for single cell damaging substances.

This test is particularly suitable for:

- Clothing worn close to the body, e.g.
 - Sportswear
 - Underwear
 - Wellness and functional textiles
- Clothing for sensitive persons such as allergy-sufferers, pregnant women, infants, invalids or the elderly
- Textiles forming the subject of complaints

Description:

The Effect-based test of cell vitality for the exclusion of a cell damaging potential of the test sample is carried out after the protocol AW-QM-11.08.03.059 following DIN EN ISO 10993-5 and is accredited by DAkkS at the Hohenstein Laboratories.

For this purpose an extract of the test material is prepared, which is cultivated with L 929 cells for 24 hours. The cell viability respectively potential cell-toxic effect is quantitatively determined for the treated cell culture in comparison with untreated control cultures.

The compatibility of a material is given, if the vitality of the cells is more than 70 % in comparison to the solvent control.

Customer benefit:

- Advertising impact
- Consumer safety
- Minimization of complaints

The label "Skin Friendly":

On passing the test the product may be awarded the Quality Label "Skin Friendly". Prerequisite for awarding of the label is an existing Oeko-Tex® Certificate for the test sample.

The proven layout of the label family "proofed quality – Hohenstein Institute" has great recognition value. Customers can easily assure themselves of the exceptionally quality of a product.

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Your way to the label:

1. Sending of the test sample (including adequate names and denotations)
2. Successfully passing the Skin Friendly Test and proof of Oeko-Tex® certificate
3. Signing of label contract and the declaration of conformity
4. Awarding of the label

Test sample requirements:

General:

- Test samples can cover an entire group of articles. Please contact us for further information.
- When dyestuffs, auxiliaries or reviving agents are used in different quantities, articles which use the highest quantity must be selected (worst-case)
- Send assembled samples as total products
- In the event of complaints, provide the product under claim for testing wherever possible (please do not send retain sample)
- Test samples must be packed individually, e.g. in plastic bags, to avoid contamination during transport
- Please indicate adequate names and specific denotations of the sample (composition of material, article number, etc.)

Quantity of material:

- At least 40 g of the test sample or size of DIN A3, respectively

Duration of the test:

- Normally 5 working days; the date will be confirmed once the test sample has been received