



FORSCHUNGSINSTITUT HOHENSTEIN

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SCHLOSS HOHENSTEIN · D-74357 BÖNNIGHEIM

THE INSTITUTE IS A MEMBER OF
THE INTERNATIONAL ASSOCIATION FOR RESEARCH AND
TESTING IN THE FIELD OF TEXTILE ECOLOGY

Boennigheim, 15th March 2006
Ho/sm

Test Report No. 06.0.42193 (=05.0.2798 ZV1)

Applicant : Verosol Fabrics B.V.
De Kieft 18
7151 HZ Eibergen
NETHERLANDS

Date of order : 16.02.2006

Reference no. or contact person : Frau C. Pasmann
Tel: 0031-545-463333
Fax: 0031-545-463329

Receipt of order : 17.02.2006

Receipt of material : 21.02.2006

Receipt of further information : 27.02.2006 elongated certificate CQ. 800/1

Details of order : Renewal of the certificate for textile products with the label "Confidence in textiles – passed for harmful substances according to Oeko-Tex Standard 100"

This test report comprises 6 pages

The test results relate only to the test samples submitted. This test report must only be reproduced in full and not in extract form. Use of the test report in advertising or the publication of free interpretations of the test results is only allowed with the express permission of Forschungsinstitut Hohenstein. Remaining test material will usually be destroyed after 3 months.

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Managing Director: Dr. Stefan Mecheels, Prof. Dr. Jürgen Mecheels



Test no. of first certification (master no.) : 05.0.2798

For technical reasons, the Institute will allocate a new test number to each order for the renewal of a certificate.

The renewed certificate will always be issued under the master number indicated in the first certification. The master number in brackets will be suffixed to the current test number of this expertise and will serve to identify the relevant product. The additional designation "ZV" with a number indicates the number of times the certificate has been renewed.

The application for renewal of the certificate was submitted using the relevant forms issued for this purpose.

The applicant enclosed the declaration of conformity.

The originals of all necessary documents have been signed with a legally binding signature.

The orderer confirmed that no biological active product is used.

Further the orderer confirmed that no flame retardant product is used.

The applicant documents that there are no changes to the previous certified article group.

Copies of Oeko-Tex certificates for the products in use were enclosed with the application.

All certificates were valid at the date of application for certification.

A list of dyestuffs and finishing auxiliaries is appended to the documents.

The application was made for the following article group:

Metallised Interior Screen fabrics made of PVC (coated) / Glass fibers, 64/36.



The four product categories specified in Oeko-Tex Standard 100 are described as follows:

Product class	Definition
I	Products for babies Products for babies in context with this standard are all articles, basic materials and accessories, which are provided for the production of articles for babies and children up to 36 months with the exception of leather clothing.
II	Products with direct contact to skin Skin contact articles are those which are worn with a large part of their surface in direct contact with the skin (e.g. blouses, shirts, underwear etc.).
III	Products without direct contact to skin No skin contact articles are those which are worn with only a little part of their surface in direct contact with the skin (e.g. stuffings, linings etc.).
IV	Decoration material Decoration material in context with this standard are all articles including initial products and accessories which are used for decoration such as table clothes, wall coverings, furnishing fabrics and curtains, upholstery fabrics, floor coverings and mattresses.

According to the information provided by the orderer and to the specified area of use, product class IV is applicable.

The test material named below was submitted for testing.

Serial no.	Description of article or material	Additional information		Material composition
		Quality	Colour	
1	interior screen fabric	metallised coated	white, silver	PVC/glas fibre/AL 64/36

If only parts of certain articles were included in the tests, only these parts are named in the list of materials.

A numerical designation was provided in the list of materials. If the orderer supplied specific information about the articles, this is also included in the list.

The numerical designation of the samples is identical to the designation in the list of results.



Test Result/s

Tests were carried out in accordance with Oeko-Tex Standard 100, including the special testing procedure laid down in Oeko-Tex Standard 201.

The test results are given in the charts below.

formaldehyde	sample					limit values acc. to Oeko-Tex Standard 100 product-classes
	1					
formaldehyde: in mg/kg (ppm)	n.d.					I: n.d. II: 75 III + IV: 300

Note: according to Japanese Law 112 "n.d." corresponds with an absorption unit < 0,05 respectively < 20 ppm.

extractable heavy metals	sample					limit values acc. to Oeko-Tex Standard 100 product-classes
	1					
in mg/kg (ppm)						I - III IV:
antimony (Sb):	< 4					Sb: 30,0 ---
arsenic (As):	< 0,05					As: 0,2 1,0
lead (Pb):	< 0,05					Pb: 0,2 1,0
cadmium (Cd):	< 0,05					Cd: 0,1 0,1
chromium (Cr) total:	< 0,1					Cr: 1,0 2,0
cobalt (Co):	< 0,1					Co: 1,0 4,0
copper (Cu):	< 4					Cu: 25,0 50,0
nickel (Ni):	< 0,1					Ni: 1,0 4,0
mercury (Hg):	< 0,01					Hg: 0,02 0,02
Cr(VI):						Cr(VI):n.d. (I - IV)

odour test	sample					limit values acc. to Oeko-Tex Standard 100 product-classes
	1					
sensory odour test:	n.d.					I - IV: n.d.



Key to the abbreviations used in the table:

P	product class
raw prod.	raw products which must be treated wet during further processing
n.d.	component(s) not detectable or results below the quantification limit
M.	a representative mixture of several samples was tested together
A	test after mechanical ageing (EN 12472)

Colour fastness:

- *) fastness rating for the staining of the adjacent fabric:
CO = cotton, WO = wool, CV = viscose, SE = silk, PES = polyester, PA = polyamide,
PAN = polyacrylonitrile (acrylic), CTA = triacetate;
evaluation of colour fastness (in accordance with the fastness scale prescribed under ISO 105):
5 = best result, 1 = worst result
- ***) for pigment, vat and sulphurous dyes a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable

One copy of this report will be sent to the applicant.

The Certification Office in Eschborn will be sent the original application documents with a legally binding signature and a second copy of this report for the issue of the certificate.

If relevant to the certification procedure these documents were supplemented by further declarations filled by the applicant.

Conclusion

The material for which the certification was applied fulfils the specific requirements for product class IV of Oeko-Tex Standard 100.

It is representative of the article group for which an application for certification was made.

The certification of the following article group is approved:

Metallised Interior Screen fabrics made of PVC (coated) / Glass fibers, 64/36.



Each holder of certificate has signed for the quality of his articles on his own responsibility. This is in accordance with the given declaration of conformity. He is committed to ensure this by suitable and sufficient spot checks. This commitment includes the quality of bought materials, too. In the case of delegating parts of this quality assurance to others the certifying body must be fully acquainted (see point 4 "Conformity declaration").

Oeko-Tex is authorized to carry out spot checks in order to inspect the certified goods. The certificate holder will receive a separate test report with the results of these inspections.

If the spot checks reveal a deviation from the limit values, additional tests will have to be carried out. The relevant costs will be charged to the certificate holder.

The applicant is responsible for checking the validity of the certificates issued to his suppliers.

If the term of validity of these certificates expires within the term of validity of the applicant's certificate, he is obliged to request updated or extended certificates from his suppliers.

Copies of updated certificates from suppliers should be presented as proof and for documentation purposes under the test number of the applicant's certificate.

The actual version of Oeko-Tex Standard 100 is edition 01/2006. It can be downloaded directly from the Oeko-Tex Homepage (<http://www.oeko-tex.com>).

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