

Hohenstein Textile Testing Institute
GmbH & Co. KG

Schloss Hohenstein
74357 Bönnigheim · Germany

20. November 2013

VA/VL/sm

Test Report No. 13.0.32506

(=13.HIN.32506 ZN)

Applicant : Eco Leap Technologies India Pvt. Ltd.
484F, Kamaraj Road
Uppilipalayam Post
641015 Coimbatore, Tamil Nadu
INDIA

Date of order : 22/10/2013

Reference no. or contact person : Ms Koneru Nikhila
Tel: +91 4222 574316
Email: nikkykoneru@gmail.com

Receipt of order : 04/11/2013

Receipt of material : 04/11/2013

Receipt of further information : 31/10/2013 Payment in advance
20/11/2013 Information regarding quality assurance

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

This test report comprises 5 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. Our terms of business shall apply, www.hohenstein.de/pdf/agb_e.pdf

20. November 2013

The application for certification 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 application was made for the following article group:

Raw cotton fibres (provenience India).

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 and floor coverings.

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

The test material named below was submitted for testing.

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
1	raw fibre	grey				grey	CO

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

20. November 2013

Test Result/s

Tests were carried out in accordance with Oeko-Tex® Standard 100.

The test results are given in the charts below.

Note: n.d. = not detectable (below quantification limit)

sample	pH			
1 raw fibre grey	6,7			
limit values acc. to Oeko-Tex® Standard 100	product class I 4,0 – 7,5	product class II 4,0 – 7,5	product class III 4,0 – 9,0	product class IV 4,0 – 9,0

sample	formaldehyde in mg/kg (ppm)			
1 raw fibre grey	n.d.			
limit values acc. to Oeko-Tex® Standard 100	product class I n.d.	product class II 75	product class III 300	product class IV 300

Note:

According to Japanese Law 112 "n.d." corresponds with an absorption unit < 0,05 respectively < 16 ppm.

sample	extractable heavy metals in mg/kg (ppm)								
	Sb antimony	As arsenic	Pb lead	Cd cadmium	Cr chromium	Co cobalt	Cu copper	Ni nickel	Hg mercury
1 raw fibre grey	< 4	< 0,05	< 0,05	< 0,05	0,12	< 0,1	< 4	< 0,1	< 0,01
limit values acc. to Oeko-Tex® Standard 100									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 ¹	1,0 ²	0,02
product class II	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0 ³	0,02
product class III	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0 ³	0,02
product class IV	--	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0 ³	0,02

Notes:

A Test after mechanical ageing (EN 12472)

¹ No requirement for accessories made from inorganic materials

² For metallic accessories and metallized surfaces: 0,5 mg/kg

³ For metallic accessories and metallized surfaces: 1,0 mg/kg

20. November 2013

sample	pesticides sum in mg/kg (ppm)			
	1 raw fibre grey	n.d.		
limit values acc. to Oeko-Tex® Standard 100	product class I sum 0,5	product class II sum 1,0	product class III sum 1,0	product class IV sum 1,0

sample	phenols in mg/kg (ppm)		
	pentachlorophenol (PCP)	tetrachlorophenols (TeCP) 2,3,5,6- / 2,3,4,6- / 2,3,4,5-	o-phenylphenol (OPP)
1 raw fibre grey	n.d.	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100			
product class I	0,05	sum 0,05	50
product class II - IV	0,50	sum 0,50	100

sample	organo tin compounds in mg/kg (ppm)			
	TBT	TPhT	DBT	DOT
1 raw fibre grey	n.d.	n.d.	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100				
product class I	0,5	0,5	1,0	1,0
product class II - IV	1,0	1,0	2,0	2,0

sample	odour test
1	n.d.
limit value acc. to Oeko-Tex® Standard 100	product class I – IV no abnormal odour

20. November 2013

Conclusion

The material for which the certification was applied fulfils the specific requirements for product class I 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:

Raw cotton fibres (provenience India).

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 actual version of Oeko-Tex® Standard 100 is edition 04/2013. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Managing Director

Prof. Dr. Stefan Mecheels



Head of Test Centre
Oeko-Tex® Standard 100

Dipl.-Ing. (FH) Elisabeth Weisheit

(This document carries an electronic signature. The electronic signatures in this report are equal to a personal signature and therefore legally binding)