

# CERTIFICATE



**FORSCHUNGSINSTITUT HOHENSTEIN**  
Schloss Hohenstein · D-74357 Bönningheim

Institute of the International Association for Research and  
Testing in the Field of Textile Ecology

The company

**Cocolatex Exports Private Limited**

**Chungom, Alleppey - 688 011**

**Kerala, INDIA**

is granted authorization according to Oeko-Tex Standard 100 to use the  
Oeko-Tex mark, based on our **test report 08.0.62281**



for the following articles:

**100 % natural rubber latex.**

The results of the inspection made according to Oeko-Tex Standard 100, **product class II** have shown that the above mentioned goods meet the human-ecological requirements of the standard presently established for products with direct contact to skin.

The certified articles fulfil the requirements of the existing European legislation regarding the use of azo-dyes.

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the Oeko-Tex mark only in conjunction with products that conform with the sample initially tested.

**This authorisation is valid until 31.08.2009**

Boennigheim, 13.10.2008



Dr. Stefan Mecheels  
Head of the Institute

Dipl.-Ing. (FH) Ortrud Weber  
Head of Test Centre  
Oeko-Tex Standard 100



# FORSCHUNGSINSTITUT HOHENSTEIN

PROF. DR. JÜRGEN MECHEELS

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

Boennigheim, 16 October 2008

TK/JA/sm

## Test Report No. 08.0.62281/E1

This test report replaces the original test report no. 08.0.62281

(=06.JA.44990 ZV1)

**Applicant** : Cocolatex Exports Private Limited  
Chungom, Alleppey - 688 011  
Kerala  
INDIA

**Date of order** : 22/09/2008

**Reference no. or contact person** : Ms Solly Sunoj  
Tel: 0091-477-2251142  
Fax: 0091-477-2251217

**Receipt of order** : 22/09/2008

**Receipt of material** : 01/10/2008

**Receipt of further information** : 01/10/2008 payment in advance  
07/10/2008 declaration of conformity

**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"

**Test no. of first certification** : 06.JA.44990

*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](http://www.hohenstein.de/pdf/agb_e.pdf)

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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.

Information is provided regarding following changes:

- Blend of natural latex and SBR-latex were removed.

The application was made for the following article group:

100 % natural rubber latex.

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

<b>Product-class</b>	<b>Definition</b>
I	<b>Products for babies</b> 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	<b>Products with direct contact to skin</b> 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	<b>Products without direct contact to skin</b> 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	<b>Decoration material</b> 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 II 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	foam	natural				natural white	LA

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

## 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 foam natural white	6,7			
<b>limit values acc. to Oeko-Tex® Standard 100</b>	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 foam natural white	n.d.			
<b>limit values acc. to Oeko-Tex® Standard 100</b>	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 foam natural white	< 4	< 0,05	< 0,05	< 0,05	< 0,1	< 0,1	< 4	0,15	< 0,01
<b>limit values acc. to Oeko-Tex® Standard 100</b>									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 <sup>1</sup>	1,0	0,02
product class II	30	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>1</sup>	4,0	0,02
product class III	30	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>1</sup>	4,0	0,02
product class IV	--	1,0	1,0 <sup>1</sup>	0,1	2,0	4,0	50,0 <sup>1</sup>	4,0	0,02

Notes:

<sup>1</sup> No requirement for accessories made from inorganic materials

A Test after mechanical ageing (EN 12472)

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 foam natural white	n.d.	n.d.	n.d.
<b>limit values acc. to Oeko-Tex® Standard 100</b>			
product class I	0,05	sum 0,05	50
product class II - IV	0,50	sum 0,50	100

sample	chlorinated benzenes and toluenes in mg/kg (ppm)
	1 foam natural white
<b>limit value acc. to Oeko-Tex® Standard 100</b>	product class I – IV sum 1,0

sample	plasticizers (phthalates) in %
	1 foam natural white
<b>limit values acc. to Oeko-Tex® Standard 100</b>	sum (DINP, DNOP, DEHP, DIDP, BBP, DBP) 0,1 sum (DEHP, BBP, DBP) 0,1 --



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

## Conclusion

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

100 % natural rubber latex.

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 01/2008. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Director of the Institute

Dr. Stefan Mecheels



Department of Material Testing  
- Head of Test Centre  
Oeko-Tex® Standard 100 -

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