

CERTIFICATE



FORSCHUNGSINSTITUT HOHENSTEIN
Schloss Hohenstein · D-74357 Bönningheim
Institute of the International Association for Research and
Testing in the Field of Textile Ecology

CERTIFICATION BODY HOHENSTEIN INDIA PVT. LTD.
Asha House · 28 Suren Road, Andheri-Kurla Road · Mumbai 400 093 · INDIA

The company

COCO-LATEX EXPORTS (P) Ltd.

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 06.0.44990



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 EN 45 014, is under an obligation to use the Oeko-Tex mark only in conjunction with products that conform with the sample initially tested.
Mumbai, 18.08.2006

This authorisation is valid until 31.08.2007



Dr. Stefan Mecheris
Head of the Institute

Jacob Kutty
Head of the Certification Body



FORSCHUNGSINSTITUT HOHENSTEIN

PROF. DR. JÜRGEN MECHEELS

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, 18 August 2006
WeOfhu

Test Report No. 06.0.44990

Applicant : COCO-LATEX EXPORTS(P) Ltd.
Chungom, Alleppey
Kerala, 688011
INDIA

Date of order : 21.06.2006

**Reference no. or
contact person** : Mr. Mohan Andrews
Tel: 0091-477-2251142
Fax: 0091-477-2251217

Receipt of order : 26.06.2006

Receipt of material : 26.06. and 07.07.2006

**Receipt of further
information** : 11.07.2006 payment in advance
17.07.2006 declaration of conformity
17.08.2006 application documents with the original sign

Details of order : Certification of 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 abstract form. Use of the test report in advertising or the publication of false 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.

Contract Research · Development · Consumer Tests · Material Testing and Consulting in the fields of Textile Chemical Industry · Clothing Industry · Textile Hygiene

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



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.

Safety data sheets of the finishing auxiliaries are appended to the documents.

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:

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 II 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	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.

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.

pH	1	sample			limit values acc. to Oeko-Tex Standard 100 product-classes
pH-value:	6,9				I + II: 4,0 - 7,5 III + IV: 4,0 - 9,0 raw prod.: 4,0 - 10,5

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

phenols	1	sample				limit values acc. to Oeko-Tex Standard 100 product-classes
phenols in mg/kg (ppm)						I: 0,05 II - IV: 0,5
pentachlorophenol (PCP):	≤ 0,01					I: 0,05 II - IV: 0,5
2,3,5,6-tetrachlorophenol (TeCP):	≤ 0,02					I: 50 II - IV: 100
o-phenylphenol (OPP):	≤ 1,00					

emissions	1	sample				limit values acc. to Oeko-Tex Standard 100 product-classes
emission in mg/m ³ of volatile components:						I - IV:
toluene:	< 0,002					toluene: 0,100
styrene:	< 0,002					styrene: 0,005
vinylcyclohexane:	< 0,002					vinyl-c-hexene: 0,002
4-phenylcyclohexene:	< 0,002					4-ph-c-hexene: 0,030
1,3-butadiene:	< 0,002					1,3-butadiene: 0,002
vinylchloride:	--					vinylchloride: 0,002
aromatic hydrocarbons:	0,02					I - IV: 0,3
volatile organic substances:	0,50					I - IV: 0,5



organo tin compounds	sample				limit values acc. to Oeko-Tex Standard 100 product-classes
	1				
in mg/kg (ppm)					I: II-IV:
TBT:	≤ 0,01				TBT: 0.5 1,0
DBT:	≤ 0,01				DBT: 1,0 ---

odour test	sample			limit values acc. to Oeko-Tex Standard 100 product-classes
	1	1a		
Odour test according to SNV 195 651 (modified)	3	3		I-IV: 3

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



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 01/2006. It can be downloaded directly from the Oeko-Tex Homepage (<http://www.oeko-tex.com>).

Director of the Institute:

Dr. Stefan Mecheels



Director of the Department
of Material Testing:

Dr. Rainer Weckmann