CERTIFICATE

FORSCHUNGSINSTITUT HOHENSTEIN
Schloss Hohenstein · D-74357 Bönnigheim
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**

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100
Test-No. 06.JA.44990 FI Hohenstein

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 Mecheels
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
WeO/hu

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 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	sample 1					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	sample 1					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	sample 1					limit values acc. to Oeko-Tex Standard 100 product-classes
in mg/kg (ppm)						I - III IV:
antimony (Sb):	< 4					Sb: 30,0 ---
						I: II - IV:
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)

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

emissions	sample 1					limit values acc. to Oeko-Tex Standard 100 product-classes
emission in mg/m³						
of volatile components:						I - IV:
toluene:	< 0,002					toluene: 0,100
styrene:	< 0,002					styrene: 0,005
vinylcyclohexene:	< 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 1					limit values acc. to Oeko-Tex Standard 100 product-classes
in mg/kg (ppm)						I: II - IV:
TBT:	≤ 0,01					TBT: 0,5 1,0
DBT:	≤ 0,01					DBT: 1,0 ---

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

odour test	sample 1					limit values acc. to Oeko-Tex Standard 100 product-classes
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