

EKON - 91 Ltd.
Kapitan Raicho Nikolov Str. 11
7012 Rousse
BULGARIA

Hohenstein Textile Testing Institute GmbH & Co. KG

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Certification Body Oeko-Tex®

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Our ref.
epl/hy/mre

Date
10. April 2017

Report No. 17.0.06188

(=15.HBG.57170 ZV2)

Applicant: EKON - 91 Ltd.
Kapitan Raicho Nikolov Str. 11
7012 Rousse
BULGARIA

Date of order: 02/20/2017

Contact person: Ms Mariana Shishmanova
Tel: +359 8177 3129
Email: latex@ekon-bg.com

Receipt of order: 02/28/2017

Receipt of material: 02/28/2017

Receipt of further information: 03/16/2017 Payment in advance

Details of order: Renewal of the certificate for textile products with the label
"OEKO-TEX® Confidence In Textiles – STANDARD 100 – Tested for harmful
substances Appendix 4"

**Master no.
(First certification):** 15.HBG.57170

The report comprises 7 pages.

Our terms of business shall apply:
www.hohenstein.de/pdf/agb_e.pdf

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VAT REG No.
DE262079343

Hohenstein Textile Testing Institute GmbH & Co. KG · County Court Stuttgart HRA 723464
Personally liable associate: Hohenstein Verwaltungs GmbH · County Court Stuttgart HRB 752904
CEO: Dr. Stefan Droste · Company Headquarter is Boennigheim

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:

- Including: roll latex

The application was made for the following article group:

Latex cores for mattresses, roll latex and latex pillows, maximum height 200 mm.

The four product categories specified in STANDARD 100 by OEKO-TEX® 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.
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	foam					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 STANDARD 100 by OEKO-TEX® Appendix 4.

The test results are given in the charts below.

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

sample	pH			
1 foam white	6,6			
limit values acc. to STANDARD 100 by OEKO-TEX®	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 white	n.d.			
limit values acc. to STANDARD 100 by OEKO-TEX®	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 white	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	< 0,1	< 0,01
limit values acc. to STANDARD 100 by OEKO-TEX®									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 ²	1,0 ³	0,02
product class II	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02
product class III	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02
product class IV	--	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ²	4,0 ⁴	0,02

Notes:

A Test after mechanical ageing (EN 12472)

¹ No requirement for accessories made from glass

² No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products.

³ For metallic accessories and metallized surfaces: 0,5 mg/kg

⁴ For metallic accessories and metallized surfaces: 1,0 mg/kg

sample	heavy metals in digested sample (total content) in mg/kg (ppm)	
	Cd cadmium	Pb lead
1 foam white	<5	<5
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	40	90

sample	phenols in mg/kg (ppm)		
		product class I	product class II-IV
1 foam white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX®	Pentachlorophenol (PCP)	0,05	0,50
	Tetrachlorophenols (TeCP)	0,05 ¹	0,50 ¹
	Trichlorophenols (TrCP)	0,2 ¹	2,0 ¹
	Dichlorophenols (DCP)	0,5 ¹	3,0 ¹
	Monochlorophenols (MCP)	0,5 ¹	3,0 ¹
	o-Phenylphenol (OPP)	50	100

Note: ¹ sum of isomers

sample	organo tin compounds in mg/kg (ppm)	
	product class I	product class II - IV
1 foam white	n.d.	
limit values acc. to STANDARD 100 by OEKO-TEX®	0,5 ¹ or 1,0 ¹	1,0 ¹ or 2,0 ¹

¹Compilation of the individual substances are listed in STANDARD 100 by OEKO-TEX® Appendix 4

sample	plasticizers (phthalates) in %
	1 foam white
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - III product class IV	sum 0,1 sum without DINP 0,1

sample	Tris(2-chloroethyl)phosphate (TCEP) in %
1 foam white	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	0,1

sample	emission of volatiles in mg/m ³							
	toluene	styrene	vinyl- cyclohexene	4-phenyl - cyclohexene	butadiene	vinylchloride	aromatic hydrocarbons	organic volatile
1 foam white	<0,002	0,002	<0,002	<0,002	--	--	0,01	0,03
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	0,1	0,005	0,002	0,03	0,002	0,002	0,3	0,5

sample	polycyclic aromatic hydrocarbons (PAH) in mg/kg (ppm)		
1 foam white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX®	product class I		product class II-IV
	Benzo[a]pyrene	0,5	1,0
	Benzo[e]pyrene	0,5	1,0
	Benzo[a]anthracene	0,5	1,0
	Chrysene	0,5	1,0
	Benzo[b]fluoranthene	0,5	1,0
	Benzo[j]fluoranthene	0,5	1,0
	Benzo[k]fluoranthene	0,5	1,0
	Dibenzo[a,h]anthracene	0,5	1,0
	<u>and</u> sum of all 24 PAH:	5,0	10,0

sample	Nonylphenol, Octylphenol and specific Alkylphenoethoxylates in mg/kg (ppm)	
	NP / OP	NP / OP / NP (EO) / OP (EO)
1 foam white	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	sum <10,0	sum <100,0

sample	odour test according to SNV 195 651 (modified)
1 foam white	2-3
limit value acc. to STANDARD 100 by OEKO-TEX®	product class I – IV 3 Grade scale: 1 odourless, 2 weak odour, 3 medium odour, 4 strong odour, 5 very strong odour

sample	odour test
1	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX®	product class I-IV no abnormal odour

CONCLUSION

The material for which the certification was applied fulfils the specific requirements for product class I of STANDARD 100 by OEKO-TEX® Appendix 4.

The certification of the following article group is approved:

Latex cores for mattresses, roll latex and latex pillows, maximum height 200 mm.

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 STANDARD 100 by OEKO-TEX® is edition 02/2017. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

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