

INTERFOAM-SPb Ltd.
P. Voiscorovo, Leningrad Area, Tosno Region
Saint-Petersburg - 187033
RUSSIAN FEDERATION

Hohenstein Textile Testing Institute GmbH & Co. KG

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Certification Body Oeko-Tex®

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Our ref.
Ho/epl/AGC

Date
12. July 2019

Report No. 19.0.77745

(= 19.HRU.77745 ZN)

Applicant: INTERFOAM-SPb Ltd.
P. Voiscorovo, Leningrad Area, Tosno Region
Saint-Petersburg - 187033
RUSSIAN FEDERATION

Date of order: 5/24/2019

Contact person: Anatoliy Risunov
Tel: +7 9118 42440 3
Email: RisunovAA@foamline.com

Receipt of order: 5/31/2019

Receipt of material: 5/31/2019

Receipt of further information: 6/28/2019 Payment in advance

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

The report comprises 9 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 Bönnigheim

The application for certification was submitted using the relevant forms issued for this purpose.

The applicant enclosed the declaration of conformity and agreed to the terms of use.

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.

A list of finishing auxiliaries is appended to the documents.

The application was made for the following article group:

Standard ether-based polyurethane foam in colour white, tested height 20 cm.

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		EL 1832, 05/18			white	PUR
2	foam		EL 2336, 05/40			white	PUR
3	foam		S 2525, 05/40			white	PUR

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® Annex 4.

The test results are given in the charts below.

Note: n.d. = not detectable (below quantification limit); u.o. = under observation

sample	pH			
1 foam white	5,8			
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)			
3 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 < 150	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
2 foam white	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4						
product class I	< 30	< 0,2	< 0,2	< 0,1	< 1,0	< 1,0
product class II	< 30	< 1,0	< 1,0 ¹	< 0,1	< 2,0	< 4,0
product class III	< 30	< 1,0	< 1,0 ¹	< 0,1	< 2,0	< 4,0
product class IV	--	< 1,0	< 1,0 ¹	< 0,1	< 2,0	< 4,0

sample	extractable (heavy) metals in mg/kg (ppm)				
	Cu copper	Ni nickel	Hg mercury	Ba barium	Se selenium
2 foam white	< 4	< 0,1	< 0,01	4	< 4
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4					
product class I	< 25,0 ²	< 1,0 ³	< 0,02	< 1000	< 100
product class II	< 50,0 ²	< 4,0 ⁴	< 0,02	< 1000	< 100
product class III	< 50,0 ²	< 4,0 ⁴	< 0,02	< 1000	< 100
product class IV	< 50,0 ²	< 4,0 ⁴	< 0,02	< 1000	< 100

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
3 foam white	<5	<5
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4		
product class I - IV	< 40	< 90

sample	phenol and chlorinated phenols in mg/kg (ppm)		
1 foam white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4		product class I	product class II-IV
	Pentachlorophenol (PCP)	< 0,05	< 0,50
	Tetrachlorophenols (TeCP)	< 0,05 ¹	< 0,50 ¹
	Trichlorophenols (TrCP)	< 0,20 ¹	< 2,00 ¹
	Dichlorophenols (DCP)	< 0,50 ¹	< 3,00 ¹
	Monochlorophenols (MCP)	< 0,50 ¹	< 3,00 ¹
	o-Phenylphenol (OPP)	< 10	< 25
Phenol	< 20	< 50	

Notes:

¹ sum of isomers

	free and cleavable cancerogenic arylamines, free and cleavable aniline in mg/kg (ppm)		
3 foam white	n.d.		
limit value acc. to STANDARD 100 by OEKO-TEX® Annex 4		product class I	product class II-IV
	each	< 20	< 20
	aniline	< 20	< 50

sample	chlorinated benzenes and toluenes in mg/kg (ppm)	
2 foam white	n.d.	
limit value acc. to STANDARD 100 by OEKO-TEX® product class I - IV	sum < 1,0	

sample	organo tin compounds in mg/kg (ppm)	
1 foam white	Dimethyltin (DMT) 0,05 Monomethyltin (MMT) 0,06 Tetraethyltin (TeET) 0,22	
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4	product class I	product class II - IV
	< 0,5 ¹ / < 1,0 ¹	< 1,0 ¹ / < 2,0 ¹

Note:

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

sample	plasticizers (phthalates) in %
3 foam white	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4 product class I - III product class IV	sum < 0,1 sum without DINP < 0,1

sample	Bisphenol A in %
3 foam white	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4 product class I - IV	< 0,1

sample	siloxanes in %		
	D4	D5	D6
3 foam white	n.d.	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	< 0,1	< 0,1	< 0,1

sample	emission of volatiles in mg/m ³							
	toluene	styrene	4-vinyl- cyclohexene	4-phenyl - cyclohexene	butadiene	vinylchloride	aromatic hydrocarbons	organic volatile
2 foam white	< 0,001	< 0,001	< 0,001	< 0,001	--	--	< 0,001	0,09
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	ADCA in %
1 foam white	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX® product class I - IV	< 0,1

sample	N-Nitrosamines in mg/kg (ppm)	N-nitrosatable substances in mg/kg (ppm)
3 foam white	n.d.	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX® product class I - IV	under observation	

sample	per- and polyfluorinated compounds (PFC) in µg/m ²	
1 foam white	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4 product class I - IV	PFOA < 1,0	sum (PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE) < 1,0

sample	per- and polyfluorinated compounds (PFC) in mg/kg (ppm)		
1 foam white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4	product class I < 0,05 ¹ / < 0,50 ¹	product class II-III < 0,10 ¹	product class IV < 0,50 ¹

Note:

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

sample	polycyclic aromatic hydrocarbons (PAH) in mg/kg (ppm)		
2 foam white	n.d.		
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4		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
	and		
	sum of all 24 PAH:	< 5,0	< 10,0

sample	chlorinated paraffins in mg/kg (ppm)
3 foam white	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	sum of SCCP and MCCP < 50

sample	surfactant, wetting agent residues in mg/kg (ppm)	
	NP / OP / HpP / PeP	NP / OP / HpP / PeP / NP (EO) / OP (EO)
2 foam white	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® Annex 4 product class I - IV	sum < 10,0	sum < 100,0

sample	Solvent residues in %			
	NMP (1-Methyl- 2-pyrrolidone)	DMAc (N,N-Dimethyl- acetamide)	DMF (Dimethyl- formamide)	Formamide
1 foam white	n.d.	n.d.	n.d.	n.d.
limit values acc. to STANDARD 100 by OEKO-TEX® product class I - IV	< 0,05 / < 0,10 ¹	< 0,05 / < 0,10 ¹	< 0,05 / < 0,10 ¹	< 0,02

Notes:

¹ For materials made of acrylic (PAN), elastane (EL)/polyurethane and aramides as well as coated (PU-, PVC-, PVC-plastisol-, PVDC-, PVC-copolymer) textiles.

sample	Benzene in mg/kg (ppm)
1 foam white	n.d.
limit value acc. to STANDARD 100 by OEKO-TEX® product class I - IV	< 5,0

sample	odour test
1 - 3	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® Annex 4.

The certification of the following article group is approved:

Standard ether-based polyurethane foam in colour white, tested height 20 cm.

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 current version of STANDARD 100 by OEKO-TEX® is edition 02/2019. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Division Manager Oeko-Tex®



Dipl.-Ing. (FH) Ivonne Schramm



Deputy Division Manager Oeko-Tex®



B.Eng. Kathrin Romer

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