

17. October 2016

CC/hy/epl/SAR

Test Report No. 16.0.90262

(=13.HTR.22116 ZV3)

Applicant	: Birlik Örme Boya San. Ve Tic. A.S. C.O.S.B. Atatürk Mah. Cumhuriyet Cad. No. 39 59500 Tekirdag TURKEY
Date of order	: 7/21/2016
Reference no. or contact person	: Mr Yilmaz Öztoprak Tel: +90 2827 5816 23 Email: yilmaz.oztoprak@birlikorme.com.tr
Receipt of order	: 07/28/2016
Receipt of material	: 07/28/2016
Receipt of further information	: 07/21/2016 Payment in advance 08/19/2016 Clarification of the use of DMFu 08/19/2016 Current list of suppliers and certificates 10/10/2016 Confirmation regarding the exclusion of CMD, CMD/EL, CO/LI, CO/CMD/EL and CO/PES in colour black
Details of order	: Renewal of the certificate for textile products with the label "Confidence in textiles – Tested for harmful substances according to Oeko-Tex® Standard 100"
Test no. of first certification (master no.)	: 13.HTR.22116

Der Prüfbericht umfasst 20 Seiten. / The test report comprises 20 pages.

Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren - im Bericht mit * gekennzeichnet.
The accreditation applies for the test methods listed in the certificate - marked * in the report.



Consumer Product Safety Commission (CPS) - Identifikationsnummer 1060 Identification number 1060



Gründungsmitglied der Internationalen Gemeinschaft für Forschung und Prüfung auf dem Gebiet Textilkologie (OEKO-TEX® Standard 100)

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

Phone +49 7143 271 0
Fax +49 7143 271 51
info@hohenstein.de
www.hohenstein.de

VAT REG No. DE262079343

Hohenstein Textile Testing Institute GmbH & Co. KG • Court of Registration County Stuttgart HRA 723464 • personally liable associate: Hohenstein Verwaltungs GmbH HRB 752904 • CEO: Dr. Stefan Droste • company headquarter is Bönningheim

17. October 2016

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:

- linen/polyester (with and without devore print) part was removed

Copies of Oeko-Tex® certificates (0907941.O, 14.HTR.50107, 59885, 11.HTR.98389, 02.T.2483, 59884) for the products in use were enclosed with the application.

All certificates were valid at the date of application for certification.

A list of dyestuffs and finishing auxiliaries is appended to the documents.

Exact dyeing recipes for the samples are provided by the orderer.

The application was made for the following article group:

White and dyed knitted fabrics made of cotton, cotton/elastane, viscose, viscose/elastane, modal (excluding in colour black), modal/elastane (excluding in colour black), cotton/modal/elastane (excluding in colour black), linen, cotton/linen (excluding in colour black), wool/viscose/elastane, viscose/polyester/elastane and cotton/polyester (excluding in colour black), produced by using materials certified according to Oeko-Tex® Standard 100.

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.).

17. October 2016

Product-class	Definition
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	knitted fabric	optic		15-C-00032		white	CO
2	knitted fabric	reactive dyed		16-C-10145		yellow	CO
3	knitted fabric	reactive dyed		16-C-60309		light green	CO
4	knitted fabric	reactive dyed		16-C-20656		red	CO
5	knitted fabric	reactive dyed		16-C-40087		royal blue	CO
6	knitted fabric	reactive dyed		16-C-40084		turquoise	CO
7	knitted fabric	reactive dyed		16-C-40147		blue	CO
8	knitted fabric	reactive dyed		16-C-60328		khaki	CO
9	knitted fabric	reactive dyed		16-C-80292		grey	CO
10	knitted fabric	reactive dyed		15-C-90002		black	CO
11	knitted fabric	optic		15-C-00002		white	CO/EL

17. October 2016

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
12	knitted fabric	reactive dyed		16-C-10134		dark yellow	CO/EL
13	knitted fabric	reactive dyed		15-C-61128		green	CO/EL
14	knitted fabric	reactive dyed		16-C-10262		dark orange	CO/EL
15	knitted fabric	reactive dyed		16-C-40019		royal blue	CO/EL
16	knitted fabric	reactive dyed		15-C-50727		navy	CO/EL
17	knitted fabric	reactive dyed		15-C-80683		dark grey	CO/EL
18	knitted fabric	reactive dyed		15-C-90352		black	CO/EL
19	knitted fabric	optic		15-V-00008		white	CV
20	knitted fabric	reactive dyed		15-V-10664		yellow	CV
21	knitted fabric	reactive dyed		16-V-60390		green	CV
22	knitted fabric	reactive dyed		16-V-20650		orange	CV
23	knitted fabric	reactive dyed		16-V-50977		navy	CV
24	knitted fabric	reactive dyed		16-V-90152		black	CV
25	knitted fabric	optic		16-V-00319		white	CV/EL
26	knitted fabric	reactive dyed		15-V-10664		yellow	CV/EL
27	knitted fabric	reactive dyed		16-V-60483		green	CV/EL
28	knitted fabric	reactive dyed		16-V-50978		royal blue	CV/EL
29	knitted fabric	reactive dyed		16-V-10389		red	CV/EL

17. October 2016

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
30	knitted fabric	reactive dyed		16-V-80234		grey	CV/EL
31	knitted fabric	reactive dyed		14-V-50548		navy	CV/EL
32	knitted fabric	reactive dyed		16-V-50925		dark navy	CV/EL
33	knitted fabric	reactive dyed		15-V-90074		black	CV/EL
34	knitted fabric	optic		12-C-00007		white	CMD
35	knitted fabric	reactive dyed		16-C-10298		yellow	CMD
36	knitted fabric	reactive dyed		16-C-60467		green	CMD
37	knitted fabric	reactive dyed		15-C-21610		red	CMD
38	knitted fabric	reactive dyed		16-V-50307		navy	CMD
39*	knitted fabric	reactive dyed		15-C-90352		black	CMD
40	knitted fabric	optic		16-C-00447		white	CMD/EL
41	knitted fabric	reactive dyed		15-V-10664		yellow	CMD/EL
42	knitted fabric	reactive dyed		16-C-60402		green	CMD/EL
44	knitted fabric	reactive dyed		16-C-50797		blue	CMD/EL
45	knitted fabric	reactive dyed		15-C-21809		red	CMD/EL
46	knitted fabric	reactive dyed		15-C-51559		navy	CMD/EL
47*	knitted fabric	reactive dyed		16-C-80317		black	CMD/EL
48	knitted fabric	optic		15-C-00005		white	CO/CMD/EL

17. October 2016

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
49	knitted fabric	reactive dyed		15-C-10877		dark yellow	CO/CMD/EL
50	knitted fabric	reactive dyed		16-C-60525		mint green	CO/CMD/EL
51	knitted fabric	reactive dyed		15-C-51740		royal blue	CO/CMD/EL
52	knitted fabric	reactive dyed		16-C-20875		red	CO/CMD/EL
53	knitted fabric	reactive dyed		16-C-50924		purple	CO/CMD/EL
54*	knitted fabric	reactive dyed		15-C-90352		black	CO/CMD/EL
55	knitted fabric	optic		15-V-00183		white	LI
56	knitted fabric	reactive dyed		16-C-10302		yellow	LI
57	knitted fabric	reactive dyed		16-V-60619		green	LI
58	knitted fabric	reactive dyed		16-C-40201		turquoise	LI
59	knitted fabric	reactive dyed		16-C-20586		red	LI
60	knitted fabric	reactive dyed		16-V-50838		purple	LI
61	knitted fabric	reactive dyed		15-V-90046		black	LI
62	knitted fabric	optic		15-C-00005		white	CO/LI
63	knitted fabric	reactive dyed		16-C-10145		yellow	CO/LI
64	knitted fabric	reactive dyed		16-V-60616		green	CO/LI
65	knitted fabric	reactive dyed		16-V-50976		royal blue	CO/LI
66	knitted fabric	reactive dyed		16-C-20763		red	CO/LI

17. October 2016

Serial No.	Description of article or material	Additional information					Material composition
		Quality	Article No.	Colour No.	Design	Colour	
67	knitted fabric	reactive dyed		16-C-50698		navy	CO/LI
68*	knitted fabric	reactive dyed		16-C-90196		black	CO/LI
69	knitted fabric	optic		16-V-00448		white	WO/CV/EL
70	knitted fabric	reactive dyed		16-V-10492		orange	WO/CV/EL
71	knitted fabric	reactive dyed		16-V-60483		mint green	WO/CV/EL
72	knitted fabric	reactive dyed		16-V-50818		royal blue	WO/CV/EL
73	knitted fabric	reactive dyed		16-V-21014		red	WO/CV/EL
74	knitted fabric	reactive dyed		15-V-51322		purple	WO/CV/EL
75	knitted fabric	reactive dyed		15-V-90684		black	WO/CV/EL
76	knitted fabric	reactive & disperse dyed		16-PC-10443		yellow	CV/PES/EL
77	knitted fabric	reactive & disperse dyed		16-PV-20639		red	CV/PES/EL
78	knitted fabric	reactive & disperse dyed		15-PV-60350		green	CV/PES/EL
79	knitted fabric	reactive & disperse dyed		15-PV-50041		purple	CV/PES/EL
80	knitted fabric	reactive & disperse dyed		15-PV-90201		black	CV/PES/EL
81	knitted fabric	reactive & disperse dyed		16-PV-70172		yellow	CO/PES

17. October 2016

Serial No.	Description of article or material	Additional information				Material composition	
		Quality	Article No.	Colour No.	Design		Colour
82	knitted fabric	reactive & disperse dyed		16-PC-60025		green	CO/PES
83	knitted fabric	reactive & disperse dyed		16-PC-20561		bordeaux	CO/PES
84	knitted fabric	reactive & disperse dyed		16-PC-40127		royal blue	CO/PES
85	knitted fabric	reactive & disperse dyed		16-PC-50504		navy	CO/PES
86	knitted fabric	reactive & disperse dyed		16-PC-80260		grey	CO/PES
87*	knitted fabric	reactive & disperse dyed		16-PC-90422		black	CO/PES
88	knitted fabric	reactive & disperse dyed		16-PC-90540		black	CO/PES
89	knitted fabric	reactive dyed		15-C-51283		blue	CO
90	knitted fabric	reactive dyed		16-C-50739		navy	CO
91	knitted fabric	reactive & disperse dyed		16-P-50573		navy	CV/PES

* CMD, CMD/EL, CO/LI, CO/CMD/EL and CO/PES in colour black were excluded.

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.

17. October 2016

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

sample	pH
1 knitted fabric white	6,9
15 knitted fabric royal blue	6,7
19 knitted fabric white	6,6
29 knitted fabric red	6,8
34 knitted fabric white	6,7
38 knitted fabric navy	7,0
48 knitted fabric white	6,7
57 knitted fabric green	6,9
62 knitted fabric white	7,0
69 knitted fabric white	7,1
71 knitted fabric mint green	6,8
79 knitted fabric purple	7,1
87 knitted fabric black	6,5
limit values acc. to Oeko-Tex® Standard 100	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)
4 knitted fabric red	n.d.
11 knitted fabric white	n.d.
25 knitted fabric white	n.d.
32 knitted fabric dark navy	n.d.
40 knitted fabric white	n.d.
46 knitted fabric navy	n.d.
55 knitted fabric white	n.d.
66 knitted fabric red	n.d.

17. October 2016

sample	formaldehyde in mg/kg (ppm)			
74 knitted fabric purple	n.d.			
78 knitted fabric green	n.d.			
85 knitted fabric navy	n.d.			
limit values acc. to Oeko-Tex® Standard 100	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
8 knitted fabric khaki	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,1	< 0,01
26 knitted fabric yellow	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,1	< 0,01
41 knitted fabric yellow	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,4	< 0,01
61 knitted fabric black	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,2	< 0,01
72 knitted fabric royal blue	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,2	< 0,01
80 knitted fabric black	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	0,1	< 0,01
86 knitted fabric grey	< 4	< 0,1	< 0,1	< 0,05	< 0,1	< 0,1	< 4	< 0,1	< 0,01
limit values acc. to Oeko-Tex® Standard 100									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0³	1,0⁴	0,02
product class II	30	1,0	1,0¹	0,1	2,0	4,0	50,0³	4,0⁵	0,02
product class III	30	1,0	1,0¹	0,1	2,0	4,0	50,0³	4,0⁵	0,02
product class IV	--	1,0	1,0¹	0,1	2,0²	4,0	50,0³	4,0⁵	0,02

Notes:

A Test after mechanical ageing (EN 12472)

¹ No requirement for accessories made from glass

² For leather articles 10 mg/kg

³ No requirement for accessories made from inorganic materials

⁴ For metallic accessories and metallized surfaces: 0,5 mg/kg

⁵ For metallic accessories and metallized surfaces: 1,0 mg/kg

17. October 2016

sample	phenols in mg/kg (ppm)					
	PCP Pentachloro- phenol	TeCP Tetrachloro- phenols	TrCP Trichloro- phenols	OPP o-Phenyl- phenol	DCP Dichloro- phenols	MCP Monochloro- phenols
50 knitted fabric mint green	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
78 knitted fabric green	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100 product class I product class II - IV	0,05 0,50	0,05¹ 0,50¹	0,2¹ 2,0¹	50 100	0,5¹ 3,0¹	0,5¹ 3,0¹

Note:¹ sum of isomers

sample	forbidden AZO-colorants cleavable arylamines of MAK-list III (category 1 or 2) in mg/kg (ppm)
composite sample 17 knitted fabric dark grey 32 knitted fabric dark navy 67 knitted fabric navy	n.d.
composite sample 76 knitted fabric yellow 77 knitted fabric red 79 knitted fabric purple	n.d.
composite sample 80 knitted fabric black 82 knitted fabric green 84 knitted fabric royal blue	n.d.
composite sample 85 knitted fabric navy 86 knitted fabric grey	n.d.
composite sample 88 knitted fabric black 91 knitted fabric navy	n.d.
composite sample 89 knitted fabric blue 90 knitted fabric navy	n.d.
limit value acc. to Oeko-Tex® Standard 100	product class I – IV n.d.

17. October 2016

sample	allergenic colorants in mg/kg (ppm)
composite sample 80 knitted fabric black 82 knitted fabric green 84 knitted fabric royal blue	n.d.
composite sample 88 knitted fabric black 91 knitted fabric navy	n.d.
limit value acc. to Oeko-Tex® Standard 100	product class I - IV n.d.

sample	chlorinated benzenes and toluenes in mg/kg (ppm)
84 knitted fabric royal blue	n.d.
limit value acc. to Oeko-Tex® Standard 100	product class I - IV sum 1,0

sample	colour fastness						
	to water		to perspiration				to dry rubbing ¹
			alkaline		acid		
3 knitted fabric light green	CO 4-5	WO 4-5					
6 knitted fabric turquoise							4-5
9 knitted fabric grey			CO 4	WO 4	CO 4-5	WO 4-5	
13 knitted fabric green							4-5
16 knitted fabric navy	CO 4	WO 4					
18 knitted fabric black			CO 4	WO 4	CO 4	WO 4	
20 knitted fabric yellow	CV 4-5	WO 4-5					
22 knitted fabric orange							4-5
24 knitted fabric black			CV 4	WO 4	CV 4	WO 4	

17. October 2016

sample	colour fastness						
	to water		to perspiration				to dry rubbing ¹
			alkaline		acid		
27	knitted fabric green	CV 4-5	WO 4-5				
30	knitted fabric grey						4-5
33	knitted fabric black			CV 4	WO 4	CV 4	WO 4
36	knitted fabric green	CV 4-5	WO 4-5				
39	knitted fabric black						4-5
42	knitted fabric green	CV 4-5	WO 4-5				
46	knitted fabric navy						4-5
49	knitted fabric dark yellow	CO 4-5	CV 4-5				
52	knitted fabric red						4-5
54	knitted fabric black			CO 4	CV 4	CO 4	CV 4
56	knitted fabric yellow	CO 4-5	WO 4-5				
58	knitted fabric turquoise						4
60	knitted fabric purple			CO 4	WO 4	CO 4	WO 4
64	knitted fabric green	CO 4-5	WO 4-5				
68	knitted fabric black						4-5
71	knitted fabric mint green			WO 4-5	CV 4-5	WO 4-5	CV 4-5
75	knitted fabric black	WO 4	CV 4				
77	knitted fabric red						4-5
79	knitted fabric purple	CV 4	PES 4				

17. October 2016

sample	colour fastness						
	to water		to perspiration				to dry rubbing ¹
			alkaline		acid		
81 knitted fabric yellow			CO 4-5	PES 4-5	CO 4-5	PES 4-5	
84 knitted fabric royal blue	CO 4	PES 4-5					
86 knitted fabric grey							4-5
88 knitted fabric black			CO 4-5	PES 4-5	CO 4-5	PES 4-5	
90 knitted fabric navy	CO 4-5	WO 4-5					
91 knitted fabric navy							4-5
limit values acc. to Oeko-Tex® Standard 100 product class I - IV	3		3-4		3-4		4 (3²)

Notes:

¹ No requirements for "wash-out" articles.

² For pigment, vat or sulphurous colorants a minimum grade of colour fastness to rubbing of 3 is acceptable.

Evaluation of colour fastness (in accordance with the fastness scale prescribed under ISO 105):

5 = best result, 1 = worst result

CO = cotton, WO = wool, CV = viscose, SE = silk, PES = polyester, PA = polyamide,
 PAN = polyacrylonitrile (acrylic), CA = acetate

sample	colour fastness to saliva and perspiration
2 knitted fabric yellow	fast
3 knitted fabric light green	fast
4 knitted fabric red	fast
5 knitted fabric royal blue	fast
6 knitted fabric turquoise	fast
7 knitted fabric blue	fast
8 knitted fabric khaki	fast
9 knitted fabric grey	fast

17. October 2016

sample		colour fastness to saliva and perspiration
10	knitted fabric black	fast
12	knitted fabric dark yellow	fast
13	knitted fabric green	fast
14	knitted fabric dark orange	fast
15	knitted fabric royal blue	fast
16	knitted fabric navy	fast
17	knitted fabric dark grey	fast
18	knitted fabric black	fast
20	knitted fabric yellow	fast
21	knitted fabric green	fast
22	knitted fabric orange	fast
23	knitted fabric navy	fast
24	knitted fabric black	fast
26	knitted fabric yellow	fast
27	knitted fabric green	fast
28	knitted fabric royal blue	fast
29	knitted fabric red	fast
30	knitted fabric grey	fast
31	knitted fabric navy	fast
32	knitted fabric dark navy	fast
33	knitted fabric black	fast
35	knitted fabric yellow	fast
36	knitted fabric green	fast

17. October 2016

sample		colour fastness to saliva and perspiration
37	knitted fabric red	fast
38	knitted fabric navy	fast
39*	knitted fabric black	not fast
41	knitted fabric yellow	fast
42	knitted fabric green	fast
44	knitted fabric blue	fast
45	knitted fabric red	fast
46	knitted fabric navy	fast
47*	knitted fabric black	not fast
49	knitted fabric dark yellow	fast
50	knitted fabric mint green	fast
51	knitted fabric royal blue	fast
52	knitted fabric red	fast
53	knitted fabric purple	fast
54*	knitted fabric black	not fast
56	knitted fabric yellow	fast
57	knitted fabric green	fast
58	knitted fabric turquoise	fast
59	knitted fabric red	fast
60	knitted fabric purple	fast
61	knitted fabric black	fast
63	knitted fabric yellow	fast
64	knitted fabric green	fast
65	knitted fabric royal blue	fast

17. October 2016

sample		colour fastness to saliva and perspiration
66	knitted fabric red	fast
67	knitted fabric navy	fast
68*	knitted fabric black	not fast
70	knitted fabric orange	fast
71	knitted fabric mint green	fast
72	knitted fabric royal blue	fast
73	knitted fabric red	fast
74	knitted fabric purple	fast
75	knitted fabric black	fast
76	knitted fabric yellow	fast
77	knitted fabric red	fast
78	knitted fabric green	fast
79	knitted fabric purple	fast
80	knitted fabric black	fast
81	knitted fabric yellow	fast
82	knitted fabric green	fast
83	knitted fabric bordeaux	fast
84	knitted fabric royal blue	fast
85	knitted fabric navy	fast
86	knitted fabric grey	fast
87*	knitted fabric black	not fast
88	knitted fabric black	fast
89	knitted fabric blue	fast
90	knitted fabric navy	fast

17. October 2016

sample	colour fastness to saliva and perspiration
91 knitted fabric navy	fast
limit value acc. to Oeko-Tex® Standard 100	product class I fast

sample	organo tin compounds in mg/kg (ppm)																																													
composite sample 71 knitted fabric mint green 83 knitted fabric bordeaux	n.d.																																													
limit values acc. to Oeko-Tex® Standard 100	<table border="1"> <thead> <tr> <th></th> <th>product class I</th> <th>product class II - IV</th> </tr> </thead> <tbody> <tr><td>Tributyltin (TBT)</td><td>0,5</td><td>1,0</td></tr> <tr><td>Triphenyltin (TPhT)</td><td>0,5</td><td>1,0</td></tr> <tr><td>Dibutyltin (DBT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Dimethyltin (DMT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Diethyltin (DET)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Diphenyltin (DPhT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Monobutyltin (MBT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Monomethyltin (MMT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Monooctyltin (MOT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Tetrabutyltin (TeBT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Tricyclohexyltin (TCyHT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Trimethyltin (TMT)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Triethyltin (TET)</td><td>1,0</td><td>2,0</td></tr> <tr><td>Tripropyltin (TPT)</td><td>1,0</td><td>2,0</td></tr> </tbody> </table>		product class I	product class II - IV	Tributyltin (TBT)	0,5	1,0	Triphenyltin (TPhT)	0,5	1,0	Dibutyltin (DBT)	1,0	2,0	Dimethyltin (DMT)	1,0	2,0	Diethyltin (DET)	1,0	2,0	Diphenyltin (DPhT)	1,0	2,0	Monobutyltin (MBT)	1,0	2,0	Monomethyltin (MMT)	1,0	2,0	Monooctyltin (MOT)	1,0	2,0	Tetrabutyltin (TeBT)	1,0	2,0	Tricyclohexyltin (TCyHT)	1,0	2,0	Trimethyltin (TMT)	1,0	2,0	Triethyltin (TET)	1,0	2,0	Tripropyltin (TPT)	1,0	2,0
	product class I	product class II - IV																																												
Tributyltin (TBT)	0,5	1,0																																												
Triphenyltin (TPhT)	0,5	1,0																																												
Dibutyltin (DBT)	1,0	2,0																																												
Dimethyltin (DMT)	1,0	2,0																																												
Diethyltin (DET)	1,0	2,0																																												
Diphenyltin (DPhT)	1,0	2,0																																												
Monobutyltin (MBT)	1,0	2,0																																												
Monomethyltin (MMT)	1,0	2,0																																												
Monooctyltin (MOT)	1,0	2,0																																												
Tetrabutyltin (TeBT)	1,0	2,0																																												
Tricyclohexyltin (TCyHT)	1,0	2,0																																												
Trimethyltin (TMT)	1,0	2,0																																												
Triethyltin (TET)	1,0	2,0																																												
Tripropyltin (TPT)	1,0	2,0																																												

sample	Nonylphenol, Octylphenol and specific Alkylphenoethoxylates in mg/kg (ppm)	
	NP / OP	NP / OP / NP (EO) / OP (EO)
6 knitted fabric turquoise	n.d.	n.d.
20 knitted fabric yellow	n.d.	n.d.
39 knitted fabric black	n.d.	n.d.
60 knitted fabric purple	n.d.	sum 12 NP(EO) 12
73 knitted fabric red	n.d.	n.d.
79 knitted fabric purple	n.d.	n.d.
88 knitted fabric black	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100 product class I - IV	sum <10,0	sum <100,0

17. October 2016

sample	Solvent residues			
	in %			
	NMP (1-Methyl- 2-pyrrolidone)	DMAc (N,N-Dimethyl- acetamide)	DMF (Dimethyl- formamide)	Formamide
45 knitted fabric red	n.d.	n.d.	n.d.	n.d.
limit values acc. to Oeko-Tex® Standard 100 product class I - IV	0,1	0,1	0,1	0,02

sample	odour test
1 - 91	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 I 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:

White and dyed knitted fabrics made of cotton, cotton/elastane, viscose, viscose/elastane, modal (excluding in colour black), modal/elastane (excluding in colour black), cotton/modal/elastane (excluding in colour black), linen, cotton/linen (excluding in colour black), wool/viscose/elastane, viscose/polyester/elastane and cotton/polyester (excluding in colour black), produced by using materials certified according to Oeko-Tex® Standard 100.

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.

17. October 2016

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 applicant is responsible for checking the validity of the certificates issued to his suppliers.

If the term of validity of these certificates expires within the term of validity of the applicant's certificate, he is obliged to request updated or extended certificates from his suppliers.

Copies of updated certificates from suppliers should be presented as proof and for documentation purposes under the test number of the applicant's certificate.

The actual version of Oeko-Tex® Standard 100 is edition 01/2016. It can be downloaded directly from the Oeko-Tex® Homepage (<http://www.oeko-tex.com>).

Managing Director



Dr. Stefan Droste



Assistant Head of Department Oeko-Tex®



Dipl.-Ing. (FH) Ivonne Schramm

(This document carries an electronic signature. The electronic signatures in this report are equal to a personal signature and therefore legally binding)

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 the certification body. Remaining test material will usually be destroyed after 3 months. Our terms of business shall apply, www.hohenstein.de/pdf/agb_e.pdf