AXROMA TECHNICAL TEXTILES
(LIANYUNGANG) CO.,LTD
No 25 Yuzhou Road(south)
Haizhou Development Zone
Lianyungang Jiangsu 222000
China

TESTEX AG, Swiss Textile Testing Institute
Gotthardstrasse 61
8002 Zurich
Switzerland

Certificate

OEKO-TEX® STANDARD 100

AXROMA TECHNICAL TEXTILES (LIANYUNGANG) CO.,LTD

is granted the OEKO-TEX® STANDARD 100 certification
and the right to use the trademark.

SCOPE
Woven fabric made of 100% polypropylene or 100% polyester, white or dope dyed (in a limited range of 10 pigments) and finished

PRODUCT CLASS
II (products with direct contact to skin) - Annex 4

STANDARD 100 SH015 131360 TESTEX

This certificate SH015 131360 is valid until 15.09.2024.

SUPPORTING DOCUMENTS
- ✓ Test report : SH015 223812.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

Matz Bachmann
Managing Director

Faisal Rizal
Ecology Team Leader

Further compliance information (REACH, SVHC, POP, GB18401 etc.) can be found on oeko-tex.com/en/faq.

The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force at the time of evaluation.

Zurich, 2023-07-14

连云港爱仕沃玛技术纺织有限公司
海州开发区郁州南路 25 号
连云港 江苏 222000
中国

TESTEX AG, Swiss Textile Testing Institute
Gotthardstrasse 61
8002 Zurich
Switzerland

Certificate

OEKO-TEX® STANDARD 100

连云港爱仕沃玛技术纺织有限公司

获得 OEKO-TEX® STANDARD 100 认证
及商标使用许可权

认证范围
100%丙纶或 100%涤纶梭织布，白色或纺前着色（色母的适用范围仅限于已申报的 10 支色母粒）及后整理

产品级别
II (直接接触皮肤类产品) - 附录 4

STANDARD 100
SH015 131360
TESTEX

证书 **SH015 131360** 有效期至 **15.09.2024.**

支持文件
- ✓ 测试报告 : SH015 223812.1
- ✓ 符合 EN ISO 17050-1 标准的 OEKO-TEX®符合性声明
- ✓ OEKO-TEX® 使用条款 ToU

Matz Bachmann
Managing Director

Faisal Rizal
Ecology Team Leader

更多法规符合性信息(REACH, SVHC, POP, GB18401 等)可在 oeko-tex.com/en/faq 查看。

认证基于 OEKO-TEX® STANDARD 100 评估时生效的测试方法及要求。

Zurich, 2023-07-14

Registered
AXROMA TECHNICAL TEXTILES (LIANYUNGANG) CO.,LTD
No 25 Yuzhou Road(south)
Haizhou Development Zone
Lianyungang Jiangsu 222000
China

Your Reference
Customer Number 52394
Contact Person Lee Roger
E-Mail roger@axroma.com

Zurich/ 14.07.2023 / mesc

Test Report SH015 223812.1

Application
6. Renewal of certificate SH015 131360 - OEKO-TEX® STANDARD 100, Product Class II, Annex 4

Test Material
3 PP & 1 PES woven fabric

Issuing
Original Issuing, 14.07.2023
Number Of Included Pages: 18

TESTEX AG
Swiss Textile Testing Institute

Faisal Rizal
Ecology Team Leader

Melanie Schmid
Customer Service Officer

Annex:
Certificate SH015 131360 valid to 15.09.2024

1 Summary

The results of this test report can be used as basis for an OEKO-TEX® certification.

2 Overview

p: tested and passed; x: tested and failed; ' ': not tested

	Sample			
	1	2	3	4
UV Stabilisers OEKO-TEX® Method 16			p	p
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041		p		p
Plasticisers OEKO-TEX® Method 6		p		p
Heavy Metals OEKO-TEX® Method 3.1 (Extract)	p	p	p	p
pH-Value OEKO-TEX® Method 1 (ISO 3071:2020 - KCl)			p	p
Bisphenols OEKO-TEX® Method			p	p
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13	p	p	p	p
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)		p	p	
Chlorinated Phenols and OPP OEKO-TEX® Method 5	p			p
Organic Tin Compounds OEKO-TEX® Method 7	p	p	p	p
Azo Dyes OEKO-TEX® Method 11.1 (direct)		p	p	p
Chlorinated Benzenes & Toluenes OEKO-TEX® Method 12	p	p	p	p
Solvent Residues OEKO-TEX® Method 14			p	p
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p	p	p	p
Colour Fastness To Water OEKO-TEX® Method 20-C (EN ISO 105-E01)	p	p		

Colour Fastness To Perspiration OEKO-TEX® Method 20-B (EN ISO 105-E04)	p	p		
VOCs (Volatile Organic Compounds) OEKO-TEX® Method 19			p	

1: PP woven fabric dope-dyed Blue/navy
2: PP woven fabric dope-dyed Red
3: PP woven fabric dope-dyed light brown
4: PES woven fabric dope-dyed khaki/pink

3 Scope Of Application

An application with the appropriate OEKO-TEX® forms was submitted for
Woven fabric made of 100% polypropylene or 100% polyester, white or dope dyed (in a limited range of 10 pigments) and finished.
The application is for the 6. Renewal of certificate SH015 131360 - OEKO-TEX® STANDARD 100, Product Class II, Annex 4.

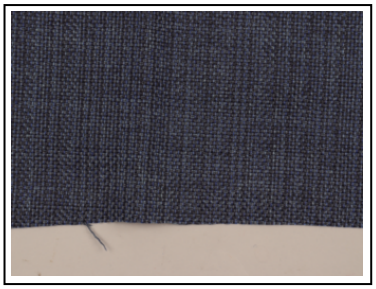
4 Samples

No.	Receipt	Sample Identification
1	03.07.2023	PP, woven fabric, dope-dyed, Blue/navy
2	03.07.2023	PP, woven fabric, dope-dyed, Red
3	03.07.2023	PP, woven fabric, dope-dyed, light brown
4	03.07.2023	PES, woven fabric, dope-dyed, khaki/pink

(Unless otherwise stated samples are provided by the customer.)

5 Photo Overview

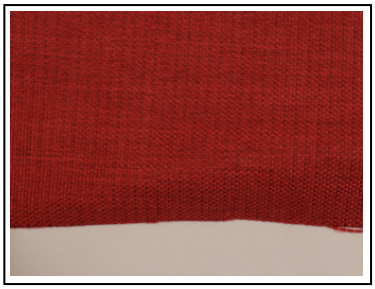
#1 Image 1



PP woven fabric dope-dyed

Blue/navy

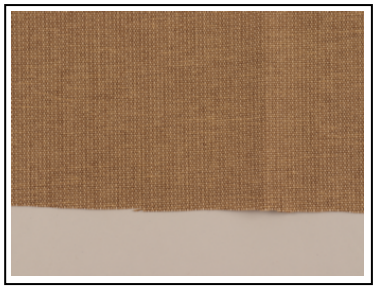
#2 Image 1



PP woven fabric dope-dyed

Red

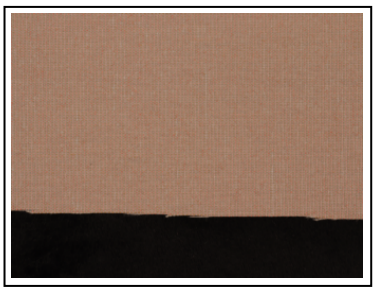
#3 Image 1



PP woven fabric dope-dyed

light brown

#4 Image 1



PES woven fabric dope-dyed

khaki/pink

6 Tests Performed / Results

As required in the OEKO-TEX® STANDARD 100 the test program is decided by the institute based on the article group, the requested product class and on the technical information given in the application form. Required tests are carried out according to OEKO-TEX®STANDARD 100 and the testing procedure laid down in “OEKO-TEX® STANDARD 100-Testing Procedures”.

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
UV Stabilisers OEKO-TEX® Method 16				
Number of Tests			1	1
• UV 320	[mg/kg]	<1000	<10	<10
• UV 327	[mg/kg]	<1000	<10	<10
• UV 328	[mg/kg]	<1000	<10	<10
• UV 350	[mg/kg]	<1000	<10	<10
• Drometrizol	[mg/kg]		<0.01	<0.01

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#2 PP woven fabric dope-dyed Red	#4 PES woven fabric dope-dyed khaki/pink
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041				
Number of Tests			1	1
• Free formaldehyde	[mg/kg]	<75	<16	<16

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#2 PP woven fabric dope-dyed Red	#4 PES woven fabric dope-dyed khaki/pink
Plasticisers OEKO-TEX® Method 6				
Number of Tests			1	1
• DMP	[mg/kg]		<10	<10
• DEP	[mg/kg]		<10	<10
• DPrP	[mg/kg]		<10	<10
• DIBP	[mg/kg]		<10	<10
• DBP	[mg/kg]		<10	<10
• DMEP	[mg/kg]		<10	<10
• DIPP	[mg/kg]		<10	<10
• NPIPP	[mg/kg]		<10	<10
• DPP	[mg/kg]		<10	<10
• DIHxP	[mg/kg]		<10	<10
• DHxP	[mg/kg]		<10	<10
• BBP	[mg/kg]		<10	<10
• DIHP*	[mg/kg]		<10	<10
• DIOP	[mg/kg]		<10	<10
• DCHP	[mg/kg]		<10	<10
• DEHP	[mg/kg]		<10	<10
• DNOP	[mg/kg]		<10	<10
• DINP*	[mg/kg]		<10	<10
• DNP*	[mg/kg]		<10	<10
• DIDP	[mg/kg]		<10	<10
• DUP*	[mg/kg]		<10	<10
• Sum w/ DINP	[mg/kg]	<500	<10	<10
• Sum w/o DINP	[mg/kg]		<10	<10
• * Components of DHNUP	[mg/kg]			
• DDDP	[mg/kg]		<10	<10
• D4 (Octamethylcyclotetrasiloxane)	[mg/kg]	<1000	<100	<100
• D5 (Decamethylcyclopentasiloxane)	[mg/kg]	<1000	<100	<100
• D6 (Dodecamethylcyclohexasiloxane)	[mg/kg]	<1000	<100	<100
• Tris(2-methoxyethoxy)vinylsilane	[mg/kg]	<1000	<100	<100

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Heavy Metals						
OEKO-TEX® Method 3.1 (Extract)						
Number of Tests			1	1	1	1
• Antimony	[mg/kg]	<30	<0.1	<0.1	<0.1	<0.1
• Arsenic	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Lead	[mg/kg]	<1.0	0.03	0.03	0.03	0.02
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02	<0.02	<0.02
• Chromium total	[mg/kg]	<2.0	<0.02	<0.02	<0.02	<0.02
• Cobalt	[mg/kg]	<4.0	<0.02	<0.02	<0.02	<0.02
• Copper	[mg/kg]	<50	<1.0	<1.0	<1.0	<1.0
• Nickel	[mg/kg]	<4.0	<0.10	<0.10	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.006	<0.006	<0.006	<0.006
• Selenium	[mg/kg]	<100	<0.40	<0.40	<0.40	<0.40
• Zinc	[mg/kg]		<2.00	<2.00	<2.00	<2.00
• Manganese	[mg/kg]		<0.40	<0.40	<0.40	<0.40
• Barium	[mg/kg]	<1000	<2.00	<2.00	<2.00	<2.00

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
pH-Value				
OEKO-TEX® Method 1 (ISO 3071:2020 - KCl)				
Number of Tests			2	2
• Aqueous extract	[pH]	>=4.0 <=7.5	6.5	6.1

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Bisphenols OEKO-TEX® Method *				
Number of Tests			1	1
• Bisphenol A	[mg/kg]	<100	<10	<10
• Bisphenol AF	[mg/kg]		<10	<10
• Bisphenol AP	[mg/kg]		<10	<10
• Bisphenol B	[mg/kg]	<1000	<10	<10
• Bisphenol BP	[mg/kg]		<10	<10
• Bisphenol C	[mg/kg]		<10	<10
• Bisphenol E	[mg/kg]		<10	<10
• Bisphenol F	[mg/kg]		<10	<10
• Bisphenol FL	[mg/kg]		<10	<10
• Bisphenol M	[mg/kg]		<10	<10
• Bisphenol P	[mg/kg]		<10	<10
• Bisphenol PH	[mg/kg]		<10	<10
• Bisphenol S	[mg/kg]	<1000	<10	<10
• Bisphenol Z	[mg/kg]		<10	<10
• Methyl-Bisphenol C	[mg/kg]		<10	<10
• 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (Vulkanox)	[mg/kg]	<1000	<10	<10

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Polycyclic Aromatic Hydrocarbons (PAH)						
OEKO-TEX® Method 13						
Number of Tests			1	1	1	1
• Naphthalene	[mg/kg]		0.26	0.26	0.24	0.24
• Acenaphthylene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Acenaphthene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Fluorene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Phenanthrene	[mg/kg]		0.15	0.15	0.19	0.19
• Anthracene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Fluoranthene	[mg/kg]		<0.01	<0.01	0.14	0.14
• Pyrene	[mg/kg]		<0.01	<0.01	0.15	0.15
• 1-Methylpyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Cyclopenta[cd]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzo[a]anthracene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Chrysene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Benzo[b]fluoranthene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Benzo[k]fluoranthene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Benzo[j]fluoranthene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Benzo[e]pyrene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Benzo[a]pyrene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Dibenzo[ah]anthracene	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01
• Indeno[1,2,3-cd]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzo[ghi]perylene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ae]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[al]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ai]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ah]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Sum	[mg/kg]	<10	0.41	0.41	0.72	0.72

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)				
Number of Tests			1	1
• Lead	[mg/kg]	<90	<4.0	<4.0
• Cadmium	[mg/kg]	<40	<0.20	<0.20
• Antimony	[mg/kg]		<0.20	<0.20
• Mercury	[mg/kg]	<0.5	<0.006	<0.006
• Arsenic	[mg/kg]	<100	<0.20	<0.20

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#4 PES woven fabric dope-dyed khaki/pink
Chlorinated Phenols and OPP OEKO-TEX® Method 5				
Number of Tests			1	1
• OPP (Orthophenylphenol)	[mg/kg]	<25	<0.05	<0.05
• Pentachlorophenol (PCP)	[mg/kg]	<0.50	<0.01	<0.01
• 2,3,5,6-TeCP	[mg/kg]		<0.01	<0.01
• 2,3,4,6-TeCP	[mg/kg]		<0.01	<0.01
• 2,3,4,5-TeCP	[mg/kg]		<0.01	<0.01
• Tetrachlorophenols (TeCP, Sum)	[mg/kg]	<0.50	<0.01	<0.01
• 2,3,4-TrCP	[mg/kg]		<0.01	<0.01
• 2,3,5-TrCP	[mg/kg]		<0.01	<0.01
• 2,3,6-TrCP	[mg/kg]		<0.01	<0.01
• 2,4,5-TrCP	[mg/kg]		<0.01	<0.01
• 2,4,6-TrCP	[mg/kg]		<0.01	<0.01
• 3,4,5-TrCP	[mg/kg]		<0.01	<0.01
• Trichlorophenols (TrCP, Sum)	[mg/kg]	<2.0	<0.01	<0.01
• 2,4/2,5-DCP	[mg/kg]		<0.01	<0.01
• 2,6-DCP	[mg/kg]		<0.01	<0.01
• 2,3-DCP	[mg/kg]		<0.01	<0.01
• 3,4-DCP	[mg/kg]		<0.01	<0.01
• 3,5-DCP	[mg/kg]		<0.01	<0.01
• Dichlorophenols (DCP, Sum)	[mg/kg]	<3.0	<0.01	<0.01
• 2-MCP	[mg/kg]		<0.01	<0.01
• 3-MCP	[mg/kg]		<0.01	<0.01
• 4-MCP	[mg/kg]		<0.01	<0.01
• Monochlorophenols (MCP, Sum)	[mg/kg]	<3.0	<0.01	<0.01

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Organic Tin Compounds						
OEKO-TEX® Method 7						
Number of Tests			1	1	1	1
• Trimethyltin (TMT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Dimethyltin (DMT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Monomethyltin (MMT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Tetraethyltin (TeET)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Dipropyltin (DPT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Monobutyltin (MBT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Tripropyltin (TPT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Dibutyltin (DBT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Monophenyltin (MPhT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Tributyltin (TBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monooctyltin (MOT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Tetrabutyltin (TeBT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Diphenyltin (DPhT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Dioctyltin (DOT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Tricyclohexyltin (TCT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Triphenyltin (TPhT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tetraoctyltin (TeOT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05
• Trioctyltin (TOT)	[mg/kg]	<2.0	<0.05	<0.05	<0.05	<0.05

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Azo Dyes OEKO-TEX® Method 11.1 (direct)					
Number of Tests			1	1	1
• Aniline	[mg/kg]	<50	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		<10	<10	<10
• N-Methylaniline	[mg/kg]		<10	<10	<10
• 3,3-Diaminobenzidin	[mg/kg]	<20	<10	<10	<10
• 2-Amino-5-nitrothiazole	[mg/kg]		<10	<10	<10
• 4-Ethoxyaniline	[mg/kg]	<20	<10	<10	<10
• 2,5-Diaminotoluene	[mg/kg]	<20	<10	<10	<10

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Chlorinated Benzenes & Toluenes						
OEKO-TEX® Method 12						
Number of Tests			1	1	1	1
• Chlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 3-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 4-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzylchloride	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,4-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,5-/ 2,6-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3,5-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3-/ 3,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4,5-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 3,4,5-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,4-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,5-Tetrachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,6-TeCT / 2,3,5,6-TeCT	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,3,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α,2-Tetrachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Pentachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,5,6-Pentachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Hexachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Sum	[mg/kg]	<1.0	<0.01	<0.01	<0.01	<0.01

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Solvent Residues				
OEKO-TEX® Method 14				
Number of Tests			1	1
• Benzene	[mg/kg]	<5.00		<0.10
• Formamide	[mg/kg]	<200	88.64	82.13
• Dimethylformamide (DMF)	[mg/kg]	<500	<20.0	<20.0
• N,N-dimethylacetamide (DMAc)	[mg/kg]	<500	<20.0	<20.0
• N-Methylpyrrolidone (NMP)	[mg/kg]	<500	<20.0	<20.0
• N-ethyl-2-pyrrolidone (NEP)	[mg/kg]		<20.0	<20.0

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red	#3 PP woven fabric dope-dyed light brown	#4 PES woven fabric dope-dyed khaki/pink
Surfactants, Wetting Agent Residues						
OEKO-TEX® Method 15						
Number of Tests			1	1	1	1
• 4-tert-butylphenol	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Pentylphenol (PeP)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Hexylphenol (HxP)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Heptylphenol (HpP)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Octylphenol (OP)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Nonylphenol (NP)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Sum AP	[mg/kg]	<10	<2.0	<2.0	<2.0	<2.0
• Octylphenolethoxylate (OPEO)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Nonylphenolethoxylate (NPEO)	[mg/kg]		<2.0	<2.0	<2.0	<2.0
• Sum AP & APEO	[mg/kg]	<100	<2.0	<2.0	<2.0	<2.0

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red
Colour Fastness To Water OEKO-TEX® Method 20-C (EN ISO 105-E01)				
Number of Tests			1	1
• Change in colour	[grade]		4-5	4-5
• Staining	[grade]	>=3	4-5	4-5

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#1 PP woven fabric dope-dyed Blue/navy	#2 PP woven fabric dope-dyed Red
Colour Fastness To Perspiration OEKO-TEX® Method 20-B (EN ISO 105-E04)				
Number of Tests			1	1
• Fastness to acid solution				
• Change in colour (acid)	[grade]		4-5	4-5
• Staining (acid)	[grade]	>=3-4	4-5	4-5
• Fastness to alkaline solution				
• Change in colour (alkaline)	[grade]		4-5	4-5
• Staining (alkaline)	[grade]	>=3-4	4-5	4-5

		OEKO-TEX® STANDARD 100 Product Class II Annex 4	#3 PP woven fabric dope-dyed light brown
VOCs (Volatile Organic Compounds) OEKO-TEX® Method 19			
Number of Tests			2
• Dichloromethane	[mg/kg]		<0.10
• Chloroform	[mg/kg]		<0.10
• Tetrachloromethane	[mg/kg]		<0.10
• 1,1-Dichloroethane	[mg/kg]		<0.10
• 1,2-Dichloroethane	[mg/kg]		<0.10
• 1,1,1-Trichloroethane	[mg/kg]		<0.10
• 1,1,2-Trichloroethane	[mg/kg]		<0.10
• 1,1,1,2-Tetrachloroethane	[mg/kg]		<0.10
• 1,1,2,2-Tetrachloroethane	[mg/kg]		<0.10
• Pentachloroethane	[mg/kg]		<0.10
• 1,1-Dichloroethylene	[mg/kg]		<0.10
• 1,2-Dichloroethylene	[mg/kg]		<0.10
• Trichloroethylene	[mg/kg]		<0.10
• Tetra(per)chloroethylene	[mg/kg]		<0.10
• Sum of Chlorinated solvents	[mg/kg]		<0.10
• Methylethylketone	[mg/kg]		<0.10
• Ethylbenzene	[mg/kg]		<0.10
• Xylene (all isomers)	[mg/kg]		<0.10
• Cyclohexanone	[mg/kg]		<0.10
• 2-Ethoxyethylacetate	[mg/kg]		<0.10
• 1,2,3-Trichloropropane	[mg/kg]		<0.10
• Acetophenone	[mg/kg]		<0.10
• Naphthalene	[mg/kg]		nt
• 2-Phenyl-2-propanole	[mg/kg]		<0.10
• Bis(2-methoxyethyl)ether	[mg/kg]		<0.10
• Styrene	[mg/kg]		<0.10
• Benzene	[mg/kg]	<5.0	<0.10
• Toluene	[mg/kg]		<0.10
• 2-Ethoxyethanol	[mg/kg]		<0.10
• Ethylene glycol dimethyl ether	[mg/kg]		<0.10
• 2-Methoxyethanol	[mg/kg]		<0.10
• 2-Methoxyethylacetate	[mg/kg]		<0.10
• 2-Methoxypropylacetate	[mg/kg]		<0.10
• Triethylene glycol dimethyl ether	[mg/kg]		<0.10
• o-Cresol	[mg/kg]		<0.10
• m-Cresol	[mg/kg]		<0.10
• p-Cresol	[mg/kg]		<0.10
• p+m-Cresol	[mg/kg]		<0.20
• 2-Methoxypropanol	[mg/kg]		<0.10
• 1,2-Diethoxyethane	[mg/kg]		<0.10

A determination of general odour has been carried out on all submitted samples. No abnormal odour has been detected.

7 Remarks

Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or TESTEX. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

Results of performed tests only refer to the sample material provided. The testing period is defined as timeframe between receipt of samples and issue date of test report. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of TESTEX, which is entitled to freely decide on storage and disposal.

Issuing

This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

Quality Management, Accreditation And Notification

All tests are performed under a quality management system according to EN ISO/IEC 17025. TESTEX is accredited as a testing laboratory by the Swiss national accreditation body (SAS). The scope of accreditation is listed on www.testex.com. An accreditation logo on the test report indicates that at least one test method is accredited. Non-accredited test methods are marked with *. However, these test procedures were also performed to the same quality level as the accredited tests. Sampling, which is usually performed by the customer, is outside the accredited range. Conformity statements are based on specifications of the cited standard. The "simple acceptance rule" is applied. This means that the measurement uncertainty is determined, but not taken into account for the conformity statement. Due to the system of mutual recognition of national accreditations (ILAC), this accreditation is valid worldwide. According to the Accreditation and Designation Ordinance (AkkBV), the accreditation mark may only be used by the accredited conformity assessment body.

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