TESTEX®

Registered
Fuzhou Fuhua Textile & Printing Dyeing Co., Ltd.
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Fuzhou Fujian 350005
China

Your Reference
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Zurich / 12.10.2021 / chnd

Test Report SH015 191227.1

Application
22. Renewal of certificate HKD 21638 - STANDARD 100 by OEKO-TEX®, Product Class I, Annex 4

Test Material
7 PES,1 PES/CDP,1 PES/CV,1 PES/EL,1 Recycled PES, 1 Recycled PES/PES/CDP, 1 Recycled PES/PES, 1 PES/CDP, 1 PES/CV/CDP wov.fabric, raw white, bleached, piece-/yarn-dyed

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TESTEX AG
Swiss Textile Testing Institute

Faisal Rizal
Ecology Team Leader

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cc: TESTEX Shanghai

Annex:
Certificate HKD 21638 valid to 30.11.2022

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	5	6	7	8	9	10
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl)	p	p	p		p		p			
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041		p	p				p			
Heavy Metals OEKO-TEX® Method 3.1 (Extract)				p		p		p	p	p
Chlorinated Phenols and OPP OEKO-TEX® Method 5			p			p				p
Plasticisers OEKO-TEX® Method 6	p		p					p		
Organic Tin Compounds OEKO-TEX® Method 7				p	p		p			
PFCs (Per- and polyfluorinated compounds) OEKO-TEX® Method 9								p		
Azo Dyes OEKO-TEX® Method 11.1 (direct)									p	
Azo Dyes OEKO-TEX® Method 11.1 (Extract)			p	p	p		p	p	p	
Disperse Dyes OEKO-TEX® Method 11.3/11.4				p				p		p
Chlorinated Benzenes & Toluenes OEKO-TEX® Method 12						p		p		p
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13		p		p						p

Solvent Residues OEKO-TEX® Method 14				p					p	
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p	p	p			p				
Flame Retardants OEKO-TEX® Method 17 Brominated Substances										
Flame Retardants OEKO-TEX® Method 17 Phosphorinated Substances										
Colour Fastness To Rubbing OEKO-TEX® Method 20-D (EN ISO 105-X12)						p		p	p	p
Colour Fastness To Water OEKO-TEX® Method 20-C (EN ISO 105-E01)						p		p	p	p
Colour Fastness To Perspiration OEKO-TEX® Method 20-B (EN ISO 105-E04)						p		p	p	p
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A			p	p	p	p	p	p	p	p
N-Nitrosamines & N-Nitrosatable Substances OEKO-TEX® Method Nitrosamine									p	
Chlorinated Paraffins (CPs) OEKO-TEX® Method 8										
Azo Dyes OEKO-TEX® Method 11.1 (4-AAB;Extract)								p	p	

1: PES woven fabric raw white
2: Recycled PES/PES/CDP woven fabric bleached white
3: PES woven fabric piece-dyed beige
4: Recycled PES/PES woven fabric piece-dyed yellow
5: PES woven fabric (micro fiber & peached) piece-dyed light coffee
6: PES woven fabric (micro fiber & peached) piece-dyed purple
7: PES woven fabric piece-dyed brown
8: PES woven fabric piece-dyed black
9: PES/LYCRA® woven fabric piece-dyed blue
10: PES/Recycled PES woven fabric yarn-dyed black/blue

	Sample				
	11	12	13	14	15
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl)	p			p	p
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041		p			
Heavy Metals OEKO-TEX® Method 3.1 (Extract)		p	p		p
Chlorinated Phenols and OPP OEKO-TEX® Method 5					p
Plasticisers OEKO-TEX® Method 6			p		
Organic Tin Compounds OEKO-TEX® Method 7		p			
PFCs (Per- and polyfluorinated compounds) OEKO-TEX® Method 9			p		
Azo Dyes OEKO-TEX® Method 11.1 (direct)	p	p		p	
Azo Dyes OEKO-TEX® Method 11.1 (Extract)	p	p		p	
Disperse Dyes OEKO-TEX® Method 11.3/11.4		p	p		
Chlorinated Benzenes & Toluenes OEKO-TEX® Method 12					p
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13					p
Solvent Residues OEKO-TEX® Method 14	p				p
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p		p	p	p
Flame Retardants OEKO-TEX® Method 17 Brominated Substances		p			

Flame Retardants OEKO-TEX® Method 17 Phosphorinated Substances		p			
Colour Fastness To Rubbing OEKO-TEX® Method 20-D (EN ISO 105-X12)		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		
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A	p	p	p	p	p
N-Nitrosamines & N-Nitrosatable Substances OEKO-TEX® Method Nitrosamine					
Chlorinated Paraffins (CPs) OEKO-TEX® Method 8		p			
Azo Dyes OEKO-TEX® Method 11.1 (4-AAB;Extract)					

11: PES/CDP woven fabric yarn-dyed green/yellow/beige

12: PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple/yellow/navy blue

13: PES woven fabric yarn-dyed black/blue

14: PES/CV woven fabric yarn-dyed violet/blue

15: Recycled PES woven fabric piece-dyed grey

3 Scope Of Application

An application with the appropriate OEKO-TEX® forms was submitted for

Woven fabrics made of 100% polyester, polyester/rayon, polyester/modified polyester, polyester/rayon/modified polyester, and their mixtures with spandex(LYCRA®), including microfiber and peached, raw white, bleached, yarn- or piece-dyed (reactive, cationic, disperse) and finished(including water and oil repellence, soil release, antibacterial finished)(finished with products accepted by OEKO-TEX® having biological active properties and produced with products accepted by OEKO-TEX® having flame retardant properties).

The application is for the 22. Renewal of certificate HKD 21638 - STANDARD 100 by OEKO-TEX®, Product Class I, Annex 4.

4 Samples

No.	Receipt	Sample Identification
1	29.09.2021	PES, woven fabric, raw white
2	29.09.2021	Recycled PES/PES/CDP, woven fabric, bleached, white
3	29.09.2021	PES, woven fabric, piece-dyed, beige
4	29.09.2021	Recycled PES/PES, woven fabric, piece-dyed, yellow
5	29.09.2021	PES woven fabric, (micro fiber & peached), piece-dyed, light coffee
6	29.09.2021	PES woven fabric, (micro fiber & peached), piece-dyed, purple
7	29.09.2021	PES, woven fabric, piece-dyed, brown
8	29.09.2021	PES, woven fabric, piece-dyed, black
9	29.09.2021	PES/LYCRA®, woven fabric, piece-dyed, blue
10	29.09.2021	PES/Recycled PES, woven fabric, yarn-dyed, black/blue
11	29.09.2021	PES/CDP, woven fabric, yarn-dyed, green/yellow/beige
12	29.09.2021	PES/CV/CDP woven fabric, (with flame retardant), yarn-dyed, violet/purple/yellow/navy blue
13	29.09.2021	PES, woven fabric, yarn-dyed, black/blue
14	29.09.2021	PES/CV, woven fabric, yarn-dyed, violet/blue
15	29.09.2021	Recycled PES, woven fabric, piece-dyed, grey

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

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

5 Photo Overview

#1

PES woven fabric raw white

#2

Recycled PES/PES/CDP woven fabric bleached white

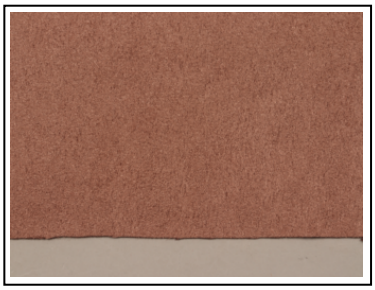
#3

PES woven fabric piece-dyed beige

#4

Recycled PES/PES woven fabric piece-dyed yellow

#5



PES woven fabric (micro fiber & peached) piece-dyed light coffee

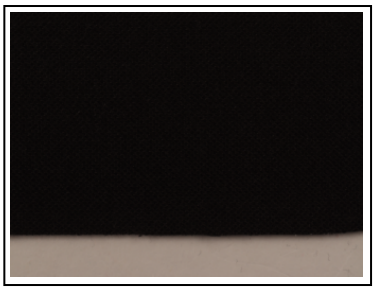
#6

PES woven fabric (micro fiber & peached) piece-dyed purple

#7

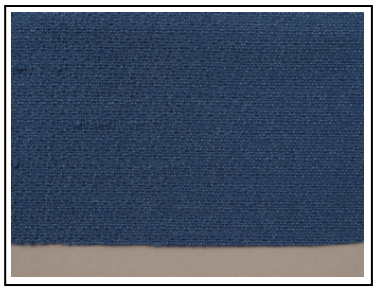
PES woven fabric piece-dyed brown

#8



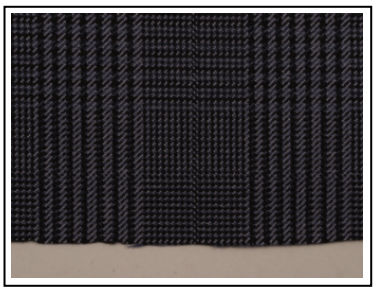
PES woven fabric piece-dyed black

#9



PES/LYCRA® woven fabric piece-dyed blue

#10



PES/Recycled PES woven fabric yarn-dyed black/blue

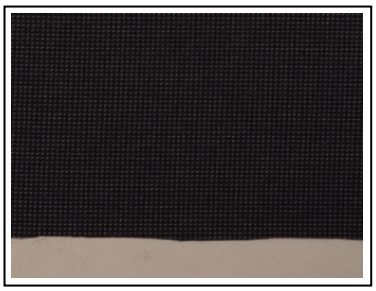
#11

PES/CDP woven fabric yarn-dyed green/yellow/beige

#12

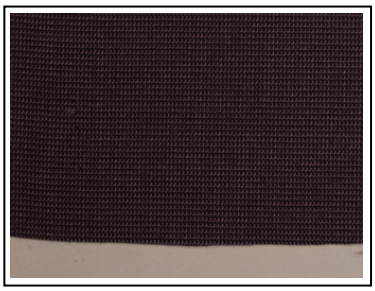
PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple/yellow/navy blue

#13



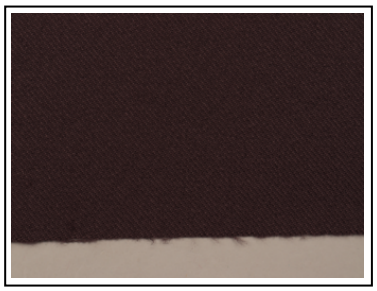
PES woven fabric yarn-dyed black/blue

#14



PES/CV woven fabric yarn-dyed violet/blue

#15



Recycled PES woven fabric piece-dyed grey

6 Tests Performed / Results

As required in the STANDARD 100 by OEKO-TEX® 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 STANDARD 100 by OEKO-TEX® and the testing procedure laid down in “STANDARD 100 by OEKO-TEX®-Testing Procedures”.

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#1 PES woven fabric raw white	#2 Recycled PES/PES/CDP woven fabric bleached white	#3 PES woven fabric piece-dyed beige	#5 PES woven fabric (micro fiber & peached) piece-dyed light coffee
pH-Value						
OEKO-TEX® Method 1 (ISO 3071 - KCl)						
Number of Tests			2	2	2	2
• Aqueous extract	[pH]	>=4.0 <=7.5	5.9	5.8	5.8	6.1

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#7 PES woven fabric piece-dyed brown	#11 PES/CDP woven fabric yarn-dyed green/yellow/beige	#14 PES/CV woven fabric yarn-dyed violet/blue	#15 Recycled PES woven fabric piece-dyed grey
pH-Value						
OEKO-TEX® Method 1 (ISO 3071 - KCl)						
Number of Tests			2	2	2	2
• Aqueous extract	[pH]	>=4.0 <=7.5	5.8	5.7	5.8	5.8

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#2 Recycled PES/PES/CDP woven fabric bleached white	#3 PES woven fabric piece-dyed beige	#7 PES woven fabric piece-dyed brown	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple/yellow/navy blue
Formaldehyde						
OEKO-TEX® Method 2 - JIS L-1041						
Number of Tests			1	1	1	1
• Free formaldehyde	[mg/kg]	<16	<16	<16	<16	<16

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#4 Recycled PES/PES woven fabric piece-dyed yellow	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue
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]	<0.20	<0.02	<0.02	<0.02	<0.02
• Lead	[mg/kg]	<0.20	<0.02	<0.02	<0.02	<0.02
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02	<0.02	<0.02
• Chromium total	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Cobalt	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Copper	[mg/kg]	<25	<1.0	<1.0	<1.0	<1.0
• Nickel	[mg/kg]	<1.0	<0.10	<0.10	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01	<0.01	<0.01
• Selenium	[mg/kg]	<100	<0.40	<0.40	<0.40	<0.40
• Zinc	[mg/kg]		<2.00	<2.00	<2.00	2.6
• Manganese	[mg/kg]		<0.40	<0.40	<0.40	<0.40
• Barium	[mg/kg]	<1000	<2.00	<2.00	<2.00	<2.00

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#10 PES/Recycled PES woven fabric yarn-dyed black/blue	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#13 PES woven fabric yarn-dyed black/blue	#15 Recycled PES woven fabric piece-dyed grey
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]	<0.20	<0.02	<0.02	<0.02	<0.02
• Lead	[mg/kg]	<0.20	<0.02	<0.02	<0.02	<0.02
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02	<0.02	<0.02
• Chromium total	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Cobalt	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Copper	[mg/kg]	<25	<1.0	<1.0	<1.0	<1.0
• Nickel	[mg/kg]	<1.0	<0.10	<0.10	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01	<0.01	<0.01
• 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

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#3 PES woven fabric piece-dyed beige	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#10 PES/Recycled PES woven fabric yarn-dyed black/blue	#15 Recycled PES woven fabric piece-dyed grey
Chlorinated Phenols and OPP						
OEKO-TEX® Method 5						
Number of Tests			1	1	1	1
• OPP (Orthophenylphenol)	[mg/kg]	<10	<0.05	<0.05	<0.05	<0.05
• Pentachlorophenol (PCP)	[mg/kg]	<0.05	<0.01	<0.01	<0.01	<0.01
• 2,3,5,6-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,6-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,5-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Tetrachlorophenols (TeCP, Sum)	[mg/kg]	<0.05	<0.01	<0.01	<0.01	<0.01
• 2,3,4-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3,6-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,4,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,4,6-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,4,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Trichlorophenols (TrCP, Sum)	[mg/kg]	<0.20	<0.05	<0.05	<0.05	<0.05
• 2,4/2,5-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,6-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,4-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,5-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Dichlorophenols (DCP, Sum)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• 2-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 4-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Monochlorophenols (MCP, Sum)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Phenol	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#1 PES woven fabric raw white	#3 PES woven fabric piece-dyed beige	#8 PES woven fabric piece-dyed black	#13 PES woven fabric yarn-dyed black/blue
Plasticisers						
OEKO-TEX® Method 6						
Number of Tests			1	1	1	1
• DMP	[%]		<0.001	<0.001	<0.001	<0.001
• DEP	[%]		<0.001	<0.001	<0.001	<0.001
• DPrP	[%]		<0.001	<0.001	<0.001	<0.001
• DIBP	[%]		<0.001	<0.001	<0.001	<0.001
• DBP	[%]		<0.001	<0.001	<0.001	<0.001
• DMEP	[%]		<0.001	<0.001	<0.001	<0.001
• DIPP	[%]		<0.001	<0.001	<0.001	<0.001
• NPIPP	[%]		<0.001	<0.001	<0.001	<0.001
• DPP	[%]		<0.001	<0.001	<0.001	<0.001
• DIHxP	[%]		<0.001	<0.001	<0.001	<0.001
• DHxP	[%]		<0.001	<0.001	<0.001	<0.001
• BBP	[%]		<0.001	<0.001	<0.001	<0.001
• DIHP*	[%]		<0.001	<0.001	<0.001	<0.001
• DIOP	[%]		<0.001	<0.001	<0.001	<0.001
• DCHP	[%]		<0.001	<0.001	<0.001	<0.001
• DEHP	[%]		<0.001	<0.001	<0.001	<0.001
• DNOP	[%]		<0.001	<0.001	<0.001	<0.001
• DINP*	[%]		<0.001	<0.001	<0.001	<0.001
• DNP	[%]		<0.001	<0.001	<0.001	<0.001
• DIDP	[%]		<0.001	<0.001	<0.001	<0.001
• DUP*	[%]		<0.001	<0.001	<0.001	<0.001
• Sum w/ DINP	[%]	<0.05	<0.001	<0.001	<0.001	<0.001
• Sum w/o DINP	[%]		<0.001	<0.001	<0.001	<0.001
• * Components of DHNUP						
• DDDP	[%]		<0.001	<0.001	<0.001	<0.001
• Bisphenol A	[%]	<0.010	<0.0001	<0.0001	<0.0001	<0.0001
• D4 (Octamethylcyclotetrasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001
• D5 (Decamethylcyclopentasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001
• D6 (Dodecamethylcyclohexasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#4 Recycled PES/PES woven fabric piece-dyed yellow	#5 PES woven fabric (micro fiber & peached) piece-dyed light coffee	#7 PES woven fabric piece-dyed brown	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Organic Tin Compounds						
OEKO-TEX® Method 7						
Number of Tests			1	1	1	1
• Trimethyltin (TMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dimethyltin (DMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monomethyltin (MMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tetraethyltin (TeET)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dipropyltin (DPT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monobutyltin (MBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tripropyltin (TPT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dibutyltin (DBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monophenyltin (MPhT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tributyltin (TBT)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Monooctyltin (MOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tetrabutyltin (TeBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Diphenyltin (DPhT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dioctyltin (DOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tricyclohexyltin (TCT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Triphenyltin (TPhT)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Tetraoctyltin (TeOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Trioctyltin (TOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#8 PES woven fabric piece-dyed black	#13 PES woven fabric yarn-dyed black/blue
PFCs (Per- and polyfluorinated compounds) OEKO-TEX® Method 9				
Number of Tests			1	1
• PFOS	[µg/m²]		<0.10	<0.10
• PFOSA	[µg/m²]		<0.10	<0.10
• PFOSF	[µg/m²]		<0.10	<0.10
• N-Me-FOSA	[µg/m²]		<0.10	<0.10
• N-Et-FOSA	[µg/m²]		<0.10	<0.10
• N-Me-FOSE	[µg/m²]		<0.10	<0.10
• N-Et-FOSE	[µg/m²]		<0.10	<0.10
• Sum of PFOS and its derivates	[µg/m²]	<1.0	<0.10	<0.10
• PFOA	[mg/kg]	<0.025	<0.01	<0.01
• PFBA	[mg/kg]	<0.05	<0.01	<0.01
• PFPeA	[mg/kg]	<0.05	<0.01	<0.01
• PFHxA	[mg/kg]	<0.05	<0.01	<0.01
• PFHpA	[mg/kg]	<0.05	<0.01	<0.01
• PFNA	[mg/kg]	<0.05	<0.01	<0.01
• PFDA	[mg/kg]	<0.05	<0.01	<0.01
• PFUdA	[mg/kg]	<0.05	<0.01	<0.01
• PFDoA	[mg/kg]	<0.05	<0.01	<0.01
• PFTrDA	[mg/kg]	<0.05	<0.01	<0.01
• PFTeDA	[mg/kg]	<0.05	<0.01	<0.01
• PF-3,7-DMOA	[mg/kg]	<0.05	<0.01	<0.01
• PFBS	[mg/kg]	<0.05	<0.01	<0.01
• PFHxS	[mg/kg]	<0.05	<0.01	<0.01
• PFHpS	[mg/kg]	<0.05	<0.01	<0.01
• PFDS	[mg/kg]	<0.05	<0.01	<0.01
• 7HPFHpA	[mg/kg]	<0.05	<0.01	<0.01
• 4HPFUnA	[mg/kg]	<0.05	<0.01	<0.01
• 1H,1H,2H,2H-PFOS	[mg/kg]	<0.05	<0.01	<0.01
• 4:2 FTOH	[mg/kg]	<0.50	<0.10	<0.10
• 6:2 FTOH	[mg/kg]	<0.50	0.15	0.10
• 8:2 FTOH	[mg/kg]	<0.50	<0.10	<0.10
• 10:2 FTOH	[mg/kg]	<0.50	<0.10	<0.10
• 6:2 FTA	[mg/kg]	<0.50	<0.10	<0.10
• 8:2 FTA	[mg/kg]	<0.50	<0.10	<0.10
• 10:2 FTA	[mg/kg]	<0.50	<0.10	<0.10
• Sum PFOA related substances	[mg/kg]	<1.0	<0.10	<0.10
• 8:2 FTS	[mg/kg]	<0.5	<0.10	<0.10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#9 PES/LYCRA® woven fabric piece-dyed blue	#11 PES/CDP woven fabric yarn-dyed green/yellow/beige	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple/yellow/navy blue	#14 PES/CV woven fabric yarn-dyed violet/blue
Azo Dyes						
OEKO-TEX® Method 11.1 (direct)						
Number of Tests			1	1	1	1
• Aniline	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		<10	<10	<10	<10
• N-Methylaniline	[mg/kg]		<10	<10	<10	<10
• 3,3-Diaminobenzidin	[mg/kg]		<10	<10	<10	<10
• 2-Amino-5-nitrothiazole	[mg/kg]		<10	<10	<10	<10
• 4-Ethoxyaniline	[mg/kg]		<10	<10	<10	<10
• 2,5-Diamintoluene	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#3 PES woven fabric piece-dyed beige	#4 Recycled PES/PES woven fabric piece-dyed yellow	#5 PES woven fabric (micro fiber & peached) piece-dyed light coffee	#7 PES woven fabric piece-dyed brown
Azo Dyes						
OEKO-TEX® Method 11.1 (Extract)						
Number of Tests			1	1	1	1
• Aniline	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		<5	<5	<5	<5
• N-Methylaniline	[mg/kg]		<10	<10	<10	<10
• 3,3-Diaminobenzidin	[mg/kg]		<10	<10	<10	<10
• 2-Amino-5-nitrothiazole	[mg/kg]		<10	<10	<10	<10
• 4-Ethoxyaniline	[mg/kg]		<10	<10	<10	<10
• 2,5-Diamintoluene	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue	#11 PES/CDP woven fabric yarn-dyed green/yellow/beige	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple/yellow/navy blue
Azo Dyes						
OEKO-TEX® Method 11.1 (Extract)						
Number of Tests			1	1	1	1
• Aniline	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		19	19	<5	<5
• N-Methylaniline	[mg/kg]		<10	<10	<10	<10
• 3,3-Diaminobenzidin	[mg/kg]		<10	<10	<10	<10
• 2-Amino-5-nitrothiazole	[mg/kg]		<10	<10	<10	<10
• 4-Ethoxyaniline	[mg/kg]		<10	<10	<10	<10
• 2,5-Diamintoluene	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#14 PES/CV woven fabric yarn-dyed violet/blue
Azo Dyes OEKO-TEX® Method 11.1 (Extract)			
Number of Tests			1
• Aniline	[mg/kg]	<20	<5.0
• o-Toluidine	[mg/kg]	<20	<10
• 2,4-Xylidine	[mg/kg]	<20	<10
• 2,6-Xylidine	[mg/kg]	<20	<10
• o-Anisidine	[mg/kg]	<20	<10
• p-Chloraniline	[mg/kg]	<20	<10
• p-Cresidine	[mg/kg]	<20	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10
• 2-Naphthylamine	[mg/kg]	<20	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10
• Benzidine	[mg/kg]	<20	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10
• 1,4-Phenylenediamine	[mg/kg]		<5
• N-Methylaniline	[mg/kg]		<10
• 3,3-Diaminobenzidin	[mg/kg]		<10
• 2-Amino-5-nitrothiazole	[mg/kg]		<10
• 4-Ethoxyaniline	[mg/kg]		<10
• 2,5-Diamintoluene	[mg/kg]		<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#4 Recycled PES/PES woven fabric piece-dyed yellow	#8 PES woven fabric piece-dyed black	#10 PES/Recycled PES woven fabric yarn-dyed black/blue	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Disperse Dyes						
OEKO-TEX® Method 11.3/11.4						
Number of Tests			1	1	1	1
• C.I. Disperse Blue 1*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 7	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 26	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 35	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 102	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 106	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 124	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 11*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 37/76	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 149	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 11	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 17	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 3*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 9	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 23°	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39S	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 49	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Brown 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39	[mg/kg]	<50	<10	<10	<10	<10
• Quinoline	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Basic Green 4	[mg/kg]	<50	<10	<10	<10	<10
• Solvent Yellow 34	[mg/kg]		<10	<10	<10	<10
• C.I. Disperse Orange 61	[mg/kg]		75	75	220	<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#13 PES woven fabric yarn-dyed black/blue
Disperse Dyes OEKO-TEX® Method 11.3/11.4			
Number of Tests			1
• C.I. Disperse Blue 1*	[mg/kg]	<50	<10
• C.I. Disperse Blue 3	[mg/kg]	<50	<10
• C.I. Disperse Blue 7	[mg/kg]	<50	<10
• C.I. Disperse Blue 26	[mg/kg]	<50	<10
• C.I. Disperse Blue 35	[mg/kg]	<50	<10
• C.I. Disperse Blue 102	[mg/kg]	<50	<10
• C.I. Disperse Blue 106	[mg/kg]	<50	<10
• C.I. Disperse Blue 124	[mg/kg]	<50	<10
• C.I. Disperse Orange 1	[mg/kg]	<50	<10
• C.I. Disperse Orange 3	[mg/kg]	<50	<10
• C.I. Disperse Orange 11*	[mg/kg]	<50	<10
• C.I. Disperse Orange 37/76	[mg/kg]	<50	<10
• C.I. Disperse Orange 149	[mg/kg]	<50	<10
• C.I. Disperse Red 1	[mg/kg]	<50	<10
• C.I. Disperse Red 11	[mg/kg]	<50	<10
• C.I. Disperse Red 17	[mg/kg]	<50	<10
• C.I. Disperse Yellow 1	[mg/kg]	<50	<10
• C.I. Disperse Yellow 3*	[mg/kg]	<50	<10
• C.I. Disperse Yellow 9	[mg/kg]	<50	<10
• C.I. Disperse Yellow 23°	[mg/kg]	<50	<10
• C.I. Disperse Yellow 39S	[mg/kg]	<50	<10
• C.I. Disperse Yellow 49	[mg/kg]	<50	<10
• C.I. Disperse Brown 1	[mg/kg]	<50	<10
• C.I. Disperse Yellow 39	[mg/kg]	<50	<10
• Quinoline	[mg/kg]	<50	<10
• C.I. Basic Green 4	[mg/kg]	<50	<10
• Solvent Yellow 34	[mg/kg]		<10
• C.I. Disperse Orange 61	[mg/kg]		<10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#8 PES woven fabric piece-dyed black	#10 PES/Recycled PES woven fabric yarn-dyed black/blue	#15 Recycled PES woven fabric piece-dyed grey
Chlorinated Benzenes & Toluenes						
OEKO-TEX® Method 12						
Number of Tests			1	1	1	1
• Chlorobenzene	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2-Chlorotoluene	[mg/kg]		<0.02	<0.02	<0.02	<0.02
• 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]		0.02	0.02	0.03	0.03
• 1,2-Dichlorobenzene	[mg/kg]		0.02	0.02	<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]		<0.10	<0.10	<0.10	<0.10
• 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	<0.05	<0.05	<0.05	<0.05

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#2 Recycled PES/PES/CDP woven fabric bleached white	#4 Recycled PES/PES woven fabric piece-dyed yellow	#10 PES/Recycled PES woven fabric yarn-dyed black/blue	#15 Recycled PES woven fabric piece-dyed grey
Polycyclic Aromatic Hydrocarbons (PAH)						
OEKO-TEX® Method 13						
Number of Tests			1	1	1	1
• Naphthalene	[mg/kg]		0.14	0.14	0.13	0.13
• 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]		<0.01	<0.01	<0.01	<0.01
• Anthracene	[mg/kg]		1.0	1.0	0.99	0.99
• Fluoranthene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 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]	<0.50	<0.01	<0.01	<0.01	<0.01
• Chrysene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[b]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[k]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[j]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[e]pyrene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[a]pyrene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Dibenzo[ah]anthracene	[mg/kg]	<0.50	<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]	<5.0	1.14	1.14	1.12	1.12

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#4 Recycled PES/PES woven fabric piece-dyed yellow	#9 PES/LYCRA® woven fabric piece-dyed blue	#11 PES/CDP woven fabric yarn-dyed green/yellow w/beige	#15 Recycled PES woven fabric piece-dyed grey
Solvent Residues						
OEKO-TEX® Method 14						
Number of Tests			1	1	1	1
• Benzene	[mg/kg]	<5.00	<0.10	<0.10	<0.10	<0.10
• Formamide	[%]	<0.020	<0.010	<0.010	<0.010	<0.010
• Dimethylformamide (DMF)	[%]	<0.05	<0.01	<0.01	<0.01	<0.01
• N,N-dimethylacetamide (DMAc)	[%]	<0.05	<0.01	<0.01	<0.01	<0.01
• N-Methylpyrrolidone (NMP)	[%]	<0.05	<0.01	<0.01	<0.01	<0.01
• 2-(2-Aminoethylamino)ethanol	[mg/kg]		<1.0	<1.0	<1.0	<1.0

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#1 PES woven fabric raw white	#2 Recycled PES/PES/CDP woven fabric bleached white	#3 PES woven fabric piece-dyed beige	#6 PES woven fabric (micro fiber & peached) piece-dyed purple
Surfactants, Wetting Agent Residues						
OEKO-TEX® Method 15						
Number of Tests			1	1	1	1
• Pentylphenol (PeP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Heptylphenol (HpP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Octylphenol (OP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Nonylphenol (NP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Sum AP	[mg/kg]	<10	<0.1	<0.1	<0.1	<0.1
• Octylphenolethoxylate (OPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Nonylphenolethoxylate (NPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Sum AP & APEO	[mg/kg]	<100	<0.1	<0.1	<0.1	<0.1
• Hexylphenol (HxP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• 4-tert-butylphenol	[mg/kg]		<0.1	<0.1	<0.1	<0.1

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#11 PES/CDP woven fabric yarn-dyed green/yello w/beige	#13 PES woven fabric yarn-dyed black/blue	#14 PES/CV woven fabric yarn-dyed violet/blue	#15 Recycled PES woven fabric piece-dyed grey
Surfactants, Wetting Agent Residues						
OEKO-TEX® Method 15						
Number of Tests			1	1	1	1
• Pentylphenol (PeP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Heptylphenol (HpP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Octylphenol (OP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Nonylphenol (NP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Sum AP	[mg/kg]	<10	<0.1	<0.1	<0.1	<0.1
• Octylphenolethoxylate (OPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Nonylphenolethoxylate (NPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Sum AP & APEO	[mg/kg]	<100	<0.1	<0.1	<0.1	<0.1
• Hexylphenol (HxP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• 4-tert-butylphenol	[mg/kg]		<0.1	<0.1	<0.1	<0.1

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Flame Retardants OEKO-TEX® Method 17 Brominated Substances *			
Number of Tests			1
• HBCDD	[mg/kg]	<10	<0.10
• BDE-1 (monoBDE)	[mg/kg]	<10	<0.10
• BDE-7 (diBDE)	[mg/kg]	<10	<0.10
• BDE-28 (triBDE)	[mg/kg]	<10	<0.10
• BDE-47 (tetraBDE)	[mg/kg]	<10	<0.10
• BDE-99 (pentaBDE)	[mg/kg]	<10	<0.10
• BDE-154 (hexaBDE)	[mg/kg]	<10	<0.10
• BDE-183 (heptaBDE)	[mg/kg]	<10	<0.10
• BDE-203 (octaBDE)	[mg/kg]	<10	<0.10
• BDE-206 (nonaBDE)	[mg/kg]	<10	<0.10
• BDE-209 (decaBDE)	[mg/kg]	<10	<0.10
• PBB-1 (monoPBB)	[mg/kg]	<10	<0.10
• PBB-9 (diPBB)	[mg/kg]	<10	<0.10
• PBB-18 (triPBB)	[mg/kg]	<10	<0.10
• PBB-49 (tetraPBB)	[mg/kg]	<10	<0.10
• PBB-103 (pentaPBB)	[mg/kg]	<10	<0.10
• PBB-153 (hexaPBB)	[mg/kg]	<10	<0.10
• PBB-189 (heptaPBB)	[mg/kg]	<10	<0.10
• PBB-194 (octaPBB)	[mg/kg]	<10	<0.10
• PBB-206 (nonaPBB)	[mg/kg]	<10	<0.10
• PBB-209 (decaPBB)	[mg/kg]	<10	<0.10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Flame Retardants OEKO-TEX® Method 17 Phosphorinated Substances *						
Number of Tests			1	1	1	1
• TOCP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TXP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TDCPP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TBBPA	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• BIS	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TEPA	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TRIS	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TCEP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• BBMP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Flame Retardants OEKO-TEX® Method 17 Phosphorinated Substances *						
Number of Tests			1	1	1	1
• TOCP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TXP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TDCPP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TBBPA	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• BIS	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TEPA	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TRIS	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• TCEP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10
• BBMP	[mg/kg]	<10	<0.10	<0.10	<0.10	<0.10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Flame Retardants OEKO-TEX® Method 17 Phosphorinated Substances * Number of Tests			1
• TOCP	[mg/kg]	<10	<0.10
• TXP	[mg/kg]	<10	<0.10
• TDCPP	[mg/kg]	<10	<0.10
• TBBPA	[mg/kg]	<10	<0.10
• BIS	[mg/kg]	<10	<0.10
• TEPA	[mg/kg]	<10	<0.10
• TRIS	[mg/kg]	<10	<0.10
• TCEP	[mg/kg]	<10	<0.10
• BBMP	[mg/kg]	<10	<0.10

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue	#10 PES/Recycled PES woven fabric yarn-dyed black/blue
Colour Fastness To Rubbing OEKO-TEX® Method 20-D (EN ISO 105-X12) Number of Tests			1	1	1	1
• Staining in dry condition	[grade]	>=4	4-5	4	4-5	4-5

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#13 PES woven fabric yarn-dyed black/blue
Colour Fastness To Rubbing OEKO-TEX® Method 20-D (EN ISO 105-X12) Number of Tests			1	1
• Staining in dry condition	[grade]	>=4	4	4-5

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue	#10 PES/Recycled PES woven fabric yarn-dyed black/blue
Colour Fastness To Water						
OEKO-TEX® Method 20-C (EN ISO 105-E01)						
Number of Tests			1	1	1	1
• Change in colour	[grade]		4-5	4-5	4-5	4-5
• Staining	[grade]	>=3-4	4-5	4-5	4-5	4-5

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#13 PES woven fabric yarn-dyed black/blue
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	4-5	4-5

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#6 PES woven fabric (micro fiber & peached) piece-dyed purple	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue	#10 PES/Recycled PES woven fabric yarn-dyed black/blue
Colour Fastness To Perspiration						
OEKO-TEX® Method 20-B (EN ISO 105-E04)						
Number of Tests			1	1	1	1
• Fastness to acid solution						
• Change in colour (acid)	[grade]		4-5	4-5	4-5	4-5
• Staining (acid)	[grade]	>=3-4	4-5	4-5	4-5	4-5
• Fastness to alkaline solution						
• Change in colour (alkaline)	[grade]		4-5	4-5	4-5	4-5
• Staining (alkaline)	[grade]	>=3-4	4-5	4-5	4-5	4-5

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#13 PES woven fabric yarn-dyed black/blue
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

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#3 PES woven fabric piece-dyed beige	#4 Recycled PES/PES woven fabric piece-dyed yellow	#5 PES woven fabric (micro fiber & peached) piece-dyed light coffee	#6 PES woven fabric (micro fiber & peached) piece-dyed purple
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A						
Number of Tests			1	1	1	1
• Colour fastness (saliva)	[yes/no]	yes	yes	yes	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes	yes	yes	yes

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#7 PES woven fabric piece-dyed brown	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue	#10 PES/Recycled PES woven fabric yarn-dyed black/blue
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A						
Number of Tests			1	1	1	1
• Colour fastness (saliva)	[yes/no]	yes	yes	yes	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes	yes	yes	yes

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#11 PES/CDP woven fabric yarn-dyed green/yello w/beige	#12 PES/CV/CD P woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue	#13 PES woven fabric yarn-dyed black/blue	#14 PES/CV woven fabric yarn-dyed violet/blue
Colour Fastness To Saliva And Perspiration						
OEKO-TEX® Method 20-A						
Number of Tests			1	1	1	1
• Colour fastness (saliva)	[yes/no]	yes	yes	yes	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes	yes	yes	yes

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#15 Recycled PES woven fabric piece-dyed grey
Colour Fastness To Saliva And Perspiration			
OEKO-TEX® Method 20-A			
Number of Tests			1
• Colour fastness (saliva)	[yes/no]	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#9 PES/LYCRA® woven fabric piece-dyed blue
N-Nitrosamines & N-Nitrosatable Substances OEKO-TEX® Method Nitrosamine			
Number of Tests			1
• N-Nitrosodibenzylamine NDBzA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodibutylamine NDBA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodiethanolamine NDELA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodiethylamine NDEA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodiisobutylamine NDiBA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodiisononylamine NDiNA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodiisopropylamine NDiPA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodimethylamine NDMA	[mg/kg]	<0.5	< 0.05
• N-Nitrosodipropylamine NDPA	[mg/kg]	<0.5	< 0.05
• N-Nitrosomorpholine NMOR	[mg/kg]	<0.5	< 0.05
• N-Nitroso-N-ethyl-N-phenylamine NEPhA	[mg/kg]	<0.5	< 0.05
• N-Nitroso-N-methyl-N-phenylamine NMPhA	[mg/kg]	<0.5	< 0.05
• N-Nitroso-piperidine NPIP	[mg/kg]	<0.5	< 0.05
• N-Nitroso-pyrrolidine NPYR	[mg/kg]	<0.5	< 0.05
• N-Nitrosomethylethylamine NMEA	[mg/kg]	<0.5	< 0.05
• Sum N-Nitrosamines	[mg/kg]		< 0.05
• N-Nitrosodibenzylamine NDBzA*	[mg/kg]		< 0.05
• N-Nitrosodibutylamine NDBA*	[mg/kg]		< 0.05
• N-Nitrosodiethanolamine NDELA*	[mg/kg]		< 0.05
• N-Nitrosodiethylamine NDEA*	[mg/kg]		< 0.05
• N-Nitrosodiisobutylamine NDiBA*	[mg/kg]		< 0.05
• N-Nitrosodiisononylamine NDiNA*	[mg/kg]		< 0.05
• N-Nitrosodiisopropylamine NDiPA*	[mg/kg]		< 0.05
• N-Nitrosodimethylamine NDMA*	[mg/kg]		< 0.05
• N-Nitrosodipropylamine NDPA*	[mg/kg]		< 0.05
• N-Nitrosomorpholine NMOR*	[mg/kg]		< 0.05
• N-Nitroso-N-ethyl-N-phenylamine NEPhA*	[mg/kg]		< 0.05
• N-Nitroso-N-methyl-N-phenylamine NMPhA*	[mg/kg]		< 0.05
• N-Nitroso-piperidine NPIP*	[mg/kg]		< 0.05
• N-Nitroso-pyrrolidine NPYR*	[mg/kg]		< 0.05
• N-Nitrosomethylethylamine NMEA*	[mg/kg]		< 0.05
• Sum N-Nitrosatable Substances	[mg/kg]	<5.0	< 0.05
• Mercaptobenzothiazol	[mg/kg]		< 0.05
• * N-Nitrosatable Substances			

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#12 PES/CV/CDP woven fabric (with flame retardant) yarn-dyed violet/purple /yellow/navy blue
Chlorinated Paraffins (CPs) OEKO-TEX® Method 8			
Number of Tests			1
• Sum of SCCP and MCCP	[mg/kg]	<50	<25

		STANDARD 100 by OEKO-TEX® Product Class I Annex 4	#8 PES woven fabric piece-dyed black	#9 PES/LYCRA® woven fabric piece-dyed blue
Azo Dyes OEKO-TEX® Method 11.1 (4-AAB;Extract)				
Number of Tests			2	2
• 4-Aminoazobenzene	[mg/kg]	<20	<10	<10

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. 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 and Accreditation

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.

Copyright And Usage Notes

End of Report