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Report No. 21.0000857

from 14/04/2021

Your Contact Person	Serhat KOLUKIRIK
Order Date	16/02/2021
Period of Testing	23/03/2021 - 13/04/2021

Customer Reference	
Certificate Number	13.HTR.28650

Aim of Test	**STANDARD 100 by OEKO-TEX® Annex 4 product class II edition 03.2020, 09/09/2020**
Testing Material	**Knitted fabrics in various colours**
Sampling	**The test object was sent to Hohenstein by the client.**

Our Contact Person	Ak, Fatih (F.Ak@hohenstein.de) +90 2165 425700
Report Approval	This document has been created digitally and is valid without a signature. It has been approved by **Dai, Thomas**

Summary

Passed ✓

Test Overview

Free, cleavable and carcinogenic arylamines, free and cleavable aniline			
12	Knitted fabric	page 13	✓
13	Knitted fabric	page 13	✓
14	Knitted fabric	page 13	✓
15	Knitted fabric	page 13	✓
16	Knitted fabric	page 13	✓
Allergenic, carcinogenic and other banned colourants			
12	Knitted fabric	page 15	✓
13	Knitted fabric	page 15	✓
14	Knitted fabric	page 15	✓
Quinoline			
12	Knitted fabric	page 17	✓
13	Knitted fabric	page 17	✓
14	Knitted fabric	page 17	✓
Chlorinated benzenes and toluenes			
15	Knitted fabric	page 18	✓
Surfactant and wetting agent residues			
8	Knitted fabric	page 20	✓
11	Knitted fabric	page 20	✓
16	Knitted fabric	page 20	✓

Siloxanes			
3	Knitted fabric	page 21	✓
10	Knitted fabric	page 21	✓
Colour fastness to water			
2	Knitted fabric	page 22	✓
5	Knitted fabric	page 22	✓
11	Knitted fabric	page 22	✓
15	Knitted fabric	page 22	✓
Colour fastness to perspiration			
3	Knitted fabric	page 23	✓
6	Knitted fabric	page 23	✓
9	Knitted fabric	page 23	✓
12	Knitted fabric	page 23	✗
17	Knitted fabric	page 23	✗
18	Knitted fabric	page 23	✓
19	Knitted fabric	page 23	✓
20	Knitted fabric	page 23	✓
Colour fastness to rubbing			
4	Knitted fabric	page 24	✓
7	Knitted fabric	page 24	✓
13	Knitted fabric	page 24	✓
16	Knitted fabric	page 24	✓

Odour			
1	Knitted fabric	page 25	✓
2	Knitted fabric	page 25	✓
3	Knitted fabric	page 25	✓
4	Knitted fabric	page 25	✓
5	Knitted fabric	page 25	✓
6	Knitted fabric	page 25	✓
7	Knitted fabric	page 25	✓
8	Knitted fabric	page 25	✓
9	Knitted fabric	page 25	✓
10	Knitted fabric	page 25	✓
11	Knitted fabric	page 25	✓
12	Knitted fabric	page 25	✓
13	Knitted fabric	page 25	✓
14	Knitted fabric	page 25	✓
15	Knitted fabric	page 25	✓
16	Knitted fabric	page 25	✓
17	Knitted fabric	page 25	✓
18	Knitted fabric	page 25	✓
19	Knitted fabric	page 25	✓
20	Knitted fabric	page 25	✓

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Appendix Table of Contents

Please note that for all of the following content there are individual documents for each translation.

Material List

No.	Material	Properties
1	Knitted fabric	Softener, White, Cotton
2	Knitted fabric	Reactive dyed, Green, Cotton, 12554
3	Knitted fabric	Reactive dyed, Softener, Red, Cotton, 12558
4	Knitted fabric	Reactive dyed, Dark blue, Cotton, Elastane, navy, 12532
5	Knitted fabric	Reactive dyed, Black, Cotton, Elastane, 12533
6	Knitted fabric	Reactive dyed, Yellow, Viscose, 12548
7	Knitted fabric	Reactive dyed, Blue, Viscose, 12545
8	Knitted fabric	Reactive dyed, Dark green, Viscose, Elastane, 12542
9	Knitted fabric	Reactive dyed, Black, Viscose, Elastane, 7147
10	Knitted fabric	Softener, Silicone finishing, White, Cotton, Polyester, 12520
11	Knitted fabric	Reactive dyed, Disperse dyed, Dark yellow, Cotton, Polyester, Brushed, 12519
12	Knitted fabric	Reactive dyed, Disperse dyed, Dark blue, Cotton, Polyester, Brushed, 12525
13	Knitted fabric	Reactive dyed, Disperse dyed, Red, Cotton, Polyester, 12512
14	Knitted fabric	Reactive dyed, Disperse dyed, Green, Cotton, Polyester, 12529
15	Knitted fabric	Reactive dyed, Disperse dyed, Dark blue, Cotton, Polyester, navy, 12517
16	Knitted fabric	Reactive dyed, Disperse dyed, Black, Cotton, Polyester, 12521
17	Knitted fabric	Reactive dyed, Disperse dyed, Dark red, Cotton, Polyester, 12516
18	Knitted fabric	Reactive dyed, Disperse dyed, Blue, Cotton, Polyester, Brushed, 12526
19	Knitted fabric	Reactive dyed, Disperse dyed, Dark blue, Cotton, Polyester, Retest of sample 12; Brushed, 12525
20	Knitted fabric	Reactive dyed, Disperse dyed, Dark red, Cotton, Polyester, Retest of sample 17, 12516

Detail Results

pH-Value

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	5	6	10	16	LV
pH-value	6.2	6.1	6.3	5.6	>= 4.0 <= 7.5
Additional details for this test					

Method(s):
According to STANDARD 100 by OEKO-TEX®

Formaldehyde

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	1 [mg/kg]	**8** [mg/kg]	**13** [mg/kg]	**15** [mg/kg]	**LOQ** [mg/kg]	**LV** [mg/kg]
Formaldehyde	n.d.	n.d.	n.d.	n.d.	< 16	< 75

Additional details for this test

Method(s):
According to STANDARD 100 by OEKO-TEX®

Parameter hints:

Result value details:
Formaldehyde

Extractable (heavy) metals

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	9 [mg/kg]	**12** [mg/kg]	**14** [mg/kg]	**LOQ** [mg/kg]	**LV** [mg/kg]
Antimony	<4	<4	<4	< 4	< 30
Arsenic	<0,1	<0,1	<0,1	< 0.1	< 1.00
Lead	<0,1	<0,1	<0,1	< 0.1	< 1.00
Cadmium	<0.05	<0.05	<0.05	< 0.05	< 0.10
Chromium	<0.1	<0.1	<0.1	< 0.1	< 2.0
Cobalt	<0.1	<0.1	<0.1	< 0.1	< 4.0
Copper	<4	<4	<4	< 4	< 50
Nickel	<0.10	<0.10	0.12	< 0.1	< 4.00
Mercury	<0.01	<0.01	<0.01	< 0.01	< 0.020
Barium	<4	<4	<4	< 4	< 1000
Selenium	<4	<4	<4	< 4	< 100

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Result value details:

Lead

Copper

Phenol and chlorinated phenols

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	4[C1] [mg/kg]	11[C1] [mg/kg]	15[C1] [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
2-Chlorophenol	n.d.	n.d.	n.d.	< 0.01	
3-Chlorophenol	n.d.	n.d.	n.d.	< 0.01	
4-Chlorophenol	n.d.	n.d.	n.d.	< 0.01	
Sum Monochlorophenols (MCP)	n.d.	n.d.	n.d.		< 3.00
2,6-Dichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,4-/2,5-Dichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3-Dichlorophenol	n.d.	n.d.	n.d.	< 0.01	
3,5-Dichlorophenol	n.d.	n.d.	n.d.	< 0.01	
3,4-Dichlorophenol	n.d.	n.d.	n.d.	< 0.01	
Sum Dichlorophenols (DCP)	n.d.	n.d.	n.d.		< 3.00
2,4,6-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3,6-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3,5-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,4,5-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3,4-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
3,4,5-Trichlorophenol	n.d.	n.d.	n.d.	< 0.01	
Sum Trichlorophenols (TrCP)	n.d.	n.d.	n.d.		< 2.00
2,3,5,6-Tetrachlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3,4,6-Tetrachlorophenol	n.d.	n.d.	n.d.	< 0.01	
2,3,4,5-Tetrachlorophenol	n.d.	n.d.	n.d.	< 0.01	
Sum Tetrachlorophenols (TeCP)	n.d.	n.d.	n.d.		< 0.50
Pentachlorophenol (PCP)	n.d.	n.d.	n.d.	< 0.01	< 0.50
o-Phenylphenol (OPP)	n.d.	n.d.	n.d.	< 2.0	< 25.0
Phenol	n.d.	n.d.	n.d.	< 5	< 50

Footnotes

Composite Samples	**C1** 4, 11, 15

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Result value details:
2,4-/2,5-Dichlorophenol

Free, cleavable and carcinogenic arylamines, free and cleavable aniline

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	12[C1] [mg/kg]	13[C1] [mg/kg]	14[C1] [mg/kg]	15[C2] [mg/kg]	16[C2] [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Benzidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Xylidine / 2,6-Xylidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Dimethoxybenzidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
o-Toluidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Aminobiphenyl	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Chloro-o-toluidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2-Naphthylamine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Chloroaniline	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Diaminoanisole	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Diaminodiphenylmethane	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Dichlorobenzidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Methylenedi-o-toluidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
p-Cresidine (6-Methoxy-m-toluidine)	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Methylene-bis-(2-chloroaniline)	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Oxydianiline	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Thiodianiline	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Toluylenediamine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4,5-Trimethylaniline	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
o-Anisidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Aminoazobenzene	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20
Aniline	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 50
p-Phenetidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	
2-Methyl-p-phenylendiamine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	
p-Anisidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	
3,3'-Diaminobenzidine (biphenyl-3,3'4,4'-tetrayltetraamine)	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	
3,3'-Dimethylbenzidine	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 20

Footnotes	
Composite Samples	**C1** 12, 13, 14 **C2** 15, 16

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Parameter hints:

Result value details:

2,4-Xylidine / 2,6-Xylidine

p-Phenetidine

2-Methyl-p-phenylendiamine

p-Anisidine

3,3'-Diaminobenzidine (biphenyl-3,3'4,4'-tetrayltetraamine)

Allergenic, carcinogenic and other banned colourants

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	12[C1] [mg/kg]	13[C1] [mg/kg]	14[C1] [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Acid Violet 49	n.d.	n.d.	n.d.	< 10	
Basic Blue 26	n.d.	n.d.	n.d.	< 10	< 50
Basic Green 4 (chloride, free, oxalate)	n.d.	n.d.	n.d.	< 10	< 50
Basic Red 9	n.d.	n.d.	n.d.	< 10	< 50
Basic Violet 1	n.d.	n.d.	n.d.	< 10	
Basic Violet 3	n.d.	n.d.	n.d.	< 10	< 50
Basic Violet 14	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 1	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 3	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 7	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 26	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 35	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 102	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 106	n.d.	n.d.	n.d.	< 10	< 50
Disperse Blue 124	n.d.	n.d.	n.d.	< 10	< 50
Disperse Brown 1	n.d.	n.d.	n.d.	< 10	< 50
Disperse Orange 1	n.d.	n.d.	n.d.	< 10	< 50
Disperse Orange 3	n.d.	n.d.	n.d.	< 10	< 50
Disperse Orange 11	n.d.	n.d.	n.d.	< 10	< 50
Disperse Orange 37/59/76	n.d.	n.d.	n.d.	< 10	< 50
Disperse Orange 149	n.d.	n.d.	n.d.	< 10	< 50
Disperse Red 1	n.d.	n.d.	n.d.	< 10	< 50
Disperse Red 11	n.d.	n.d.	n.d.	< 10	< 50
Disperse Red 17	n.d.	n.d.	n.d.	< 10	< 50
Disperse Yellow 1	n.d.	n.d.	n.d.	< 10	< 50
Disperse Yellow 3	n.d.	n.d.	n.d.	< 10	< 50
Disperse Yellow 9	n.d.	n.d.	n.d.	< 10	< 50
Disperse Yellow 23	n.d.	n.d.	n.d.	< 10	< 50

	12[C1] [mg/kg]	13[C1] [mg/kg]	14[C1] [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Disperse Yellow 39	n.d.	n.d.	n.d.	< 10	< 50
Disperse Yellow 49	n.d.	n.d.	n.d.	< 10	< 50
Solvent Yellow 1 (4-Aminoazobenzol / Anilin Yellow)	n.d.	n.d.	n.d.	< 10	< 50
Solvent Yellow 2	n.d.	n.d.	n.d.	< 10	
Solvent Yellow 3 (o-Aminoazotoluene)	n.d.	n.d.	n.d.	< 10	< 50
Solvent Yellow 14	n.d.	n.d.	n.d.	< 10	
Basic Yellow 2 / Solvent Yellow 34 (hydrochloride and free base)	n.d.	n.d.	n.d.	< 10	

Footnotes

Composite Samples	**C1** 12, 13, 14

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Parameter hints:

Result value details:

Acid Violet 49

Basic Violet 1

Solvent Yellow 2

Solvent Yellow 14

Basic Yellow 2 / Solvent Yellow 34 (hydrochloride and free base)

Quinoline

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	12[C1] [mg/kg]	13[C1] [mg/kg]	14[C1] [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Quinoline	n.d.	n.d.	n.d.	< 10	< 50

Footnotes

Composite Samples	**C1** 12, 13, 14

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Chlorinated benzenes and toluenes

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	15 [mg/kg]	**LOQ** [mg/kg]	**LV** [mg/kg]
Chlorobenzene	n.d.	< 0.10	
1,2-Dichlorobenzene	n.d.	< 0.10	
1,3-Dichlorobenzene	n.d.	< 0.10	
1,4-Dichlorobenzene	n.d.	< 0.10	
1,2,3-Trichlorobenzene	n.d.	< 0.10	
1,2,4-Trichlorobenzene	n.d.	< 0.10	
1,3,5-Trichlorobenzene	n.d.	< 0.10	
1,2,3,4-Tetrachlorobenzene	n.d.	< 0.10	
1,2,3,5-Tetrachlorobenzene	n.d.	< 0.10	
1,2,4,5-Tetrachlorobenzene	n.d.	< 0.10	
Pentachlorobenzene	n.d.	< 0.10	
Hexachlorobenzene	n.d.	< 0.10	
2-Chlorotoluene	n.d.	< 0.10	
3-Chlorotoluene	n.d.	< 0.10	
4-Chlorotoluene	n.d.	< 0.10	
a-Chlorotoluene	n.d.	< 0.10	
2,4-Dichlorotoluene	n.d.	< 0.10	
2,5-/2,6-Dichlorotoluene	n.d.	< 0.10	
2,3-/3,4-Dichlorotoluene	n.d.	< 0.10	
3,5-Dichlorotoluene	n.d.	< 0.10	
a,a-Dichlorotoluene	n.d.	< 0.10	
2,3,6-Trichlorotoluene	n.d.	< 0.10	
2,3,5-/2,4,5-Trichlorotoluene	n.d.	< 0.10	
2,3,4-Trichlorotoluene	n.d.	< 0.10	
2,4,6-Trichlorotoluene	n.d.	< 0.10	
3,4,5-Trichlorotoluene	n.d.	< 0.10	
a,a,a-Trichlorotoluene	n.d.	< 0.10	
a,2,4-Trichlorotoluene	n.d.	< 0.10	

	15 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
a,2,6-Trichlorotoluene	n.d.	< 0.10	
a,3,4-Trichlorotoluene	n.d.	< 0.10	
2,3,4,5-Tetrachlorotoluene	n.d.	< 0.10	
2,3,4,6-Tetrachlorotoluene	n.d.	< 0.10	
2,3,5,6-Tetrachlorotoluene	n.d.	< 0.10	
a,a,a,2-Tetrachlorotoluene	n.d.	< 0.10	
a,a,a,4-Tetrachlorotoluene	n.d.	< 0.10	
a,a,2,6-Tetrachlorotoluene	n.d.	< 0.10	
Pentachlorotoluene	n.d.	< 0.10	
Sum	n.d.		< 1.00

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Result value details:

2,5-/2,6-Dichlorotoluene

2,3-/3,4-Dichlorotoluene

2,3,5-/2,4,5-Trichlorotoluene

Surfactant and wetting agent residues

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	8 [mg/kg]	**11** [mg/kg]	**16** [mg/kg]	**LOQ** [mg/kg]	**LV** [mg/kg]
4-tert-Butylphenol (BP)	n.d.	n.d.	n.d.	< 4.0	
Pentylphenol (PeP)	n.d.	n.d.	n.d.	< 4.0	
Heptylphenol (HpP)	n.d.	n.d.	n.d.	< 4.0	
Octylphenol (OP)	n.d.	n.d.	n.d.	< 4.0	
Nonylphenol (NP)	n.d.	n.d.	n.d.	< 4.0	
Sum NP, OP, HpP, PeP	n.d.	n.d.	n.d.		< 10.0
Octylphenolethoxylates (OP(EO))	n.d.	n.d.	n.d.	< 4.0	
Nonylphenolethoxylates (NP(EO))	n.d.	n.d.	n.d.	< 4.0	
Sum NP, OP, HpP, PeP, NP(EO), OP(EO)	n.d.	n.d.	n.d.		< 100.0

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Result value details:

4-tert-Butylphenol (BP)

Siloxanes

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	3[C1] [%]	10[C1] [%]	LOQ [%]	LV [%]
Octamethylcyclotetrasiloxane (D4)	n.d.	n.d.	< 0.01	< 0.100
Decamethylcyclopentasiloxane (D5)	n.d.	n.d.	< 0.01	< 0.100
Dodecamethylcyclohexasiloxane (D6)	n.d.	n.d.	< 0.01	< 0.100

Footnotes

Composite Samples	**C1** 3, 10

Additional details for this test

Method(s):
According to STANDARD 100 by OEKO-TEX®

Colour fastness to water

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	2	5	11	15	LV
Adjacent fabric 1	Cotton	Cotton	Cotton	Cotton	
Adjacent fabric 2	Wool	Wool	Polyester	Polyester	
Fastness grade 1	4-5	4	4-5	4	(LV1)
Fastness grade 2	4-5	4-5	4-5	4-5	(LV1)
Footnotes					
Leads to failed	**(LV1)** 1, 1-2, 2, 2-3				

Additional details for this test

Method(s):

According to STANDARD 100 by OEKO-TEX®

Colour fastness to perspiration

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	3	6	9	12	LV
Adjacent fabric 1	Cotton	Viscose	Viscose		
Adjacent fabric 2	Wool	Wool	Wool		
Fastness grade 1 - alkaline	3-4	4-5	4-5	2-3	(LV1)
Fastness grade 2 - alkaline	4	4-5	4-5	4	(LV1)
Fastness grade 1 - acid	3-4	4-5	4-5	3	(LV1)
Fastness grade 2 - acid	4	4-5	4-5	4-5	(LV1)

Footnotes	
Failed materials	**12** Knitted fabric, Reactive dyed, Disperse dyed, Dark blue, Cotton, Polyester, Brushed, 12525
Leads to failed	**(LV1)** 1, 1-2, 2, 2-3, 3

Colour fastness to perspiration (Cont.)

	17	18	19	20	LV
Adjacent fabric 1		Cotton	Cotton	Cotton	
Adjacent fabric 2		Polyester	Polyester	Polyester	
Fastness grade 1 - alkaline	2-3	4	4-5	4	(LV1)
Fastness grade 2 - alkaline	3-4	4-5	4-5	4	(LV1)
Fastness grade 1 - acid	3	4	4-5	4	(LV1)
Fastness grade 2 - acid	3-4	4-5	4-5	4	(LV1)

Footnotes	
Failed materials	**17** Knitted fabric, Reactive dyed, Disperse dyed, Dark red, Cotton, Polyester, 12516
Leads to failed	**(LV1)** 1, 1-2, 2, 2-3, 3

Additional details for this test

Method(s):
According to STANDARD 100 by OEKO-TEX®

Colour fastness to rubbing

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	4	7	13	16	LV
Fastness grade dry	4-5	4-5	4-5	4-5	(LV1)
Footnotes					
Leads to failed	**(LV1)** 1, 1-2, 2, 2-3, 3, 3-4				
Additional details for this test					

Method(s):
According to STANDARD 100 by OEKO-TEX®

Odour

The following results were evaluated against the limit values (LV): STANDARD 100 by OEKO-TEX® Annex 4 product class II, 03.2020

	1	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	2	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	3	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	4	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	5	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	6	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	7	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	8	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	9	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	10	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	11	LV
The following odour was noticed	No abnormal odour	(LV1)

Footnotes	
Leads to failed	**(LV1)** Abnormal odour

Odour (Cont.)

	12	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	13	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	14	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	15	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	16	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	17	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	18	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	19	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Odour (Cont.)

	20	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	

Additional details for this test

Parameter hints: