



Report no. 25.0047325

from 11/21/2025

Order Date 11/12/2025
Period of Testing 11/14/2025 - 11/21/2025

Customer Reference

No customer references provided.

Aim of Test OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025
Testing Material Organic Cotton fabric intended for Annex 6 Class I
Sampling The test object was sent to Hohenstein by the client.

Your Contact Person

Our Contact Person Division Softlines
(softlines@hohenstein.com)

Report Approval

Stefan Bantle, B. Eng.
Teamleiter | Team Leader Softlines



Katharina Loos
Bereichsleiterin Softlines / Division Manager Softlines

Summary

Passed



Please refer to the test overview for details.



Testing Material

1 Knitted fabric

Color	White
Material composition	100 % CO
Material receipt	11/14/2025



1 Knitted fabric

2 Knitted fabric

Color	Bordeaux
Material composition	100 % CO
Material receipt	11/14/2025



2 Knitted fabric



2 Knitted fabric

3 Knitted fabric

Color	Dark blue
Material composition	100 % CO
Material receipt	11/14/2025



3 Knitted fabric



3 Knitted fabric

4 Knitted fabric

Color	Gray
Material composition	100 % CO
Material receipt	11/14/2025



4 Knitted fabric



4 Knitted fabric



Test Overview

pH-Value

1 Knitted fabric	page 10	✓
2 Knitted fabric	page 10	✓
3 Knitted fabric	page 10	✓
4 Knitted fabric	page 10	✓

Formaldehyde

1 Knitted fabric	page 11	✓
2 Knitted fabric	page 11	✓
3 Knitted fabric	page 11	✓
4 Knitted fabric	page 11	✓

Extractable (heavy) metals

1 Knitted fabric	page 12	✓
2 Knitted fabric	page 12	✓
3 Knitted fabric	page 12	✓
4 Knitted fabric	page 12	✓

Chlorinated phenols

1 Knitted fabric	page 13	✓
2 Knitted fabric	page 13	✓
3 Knitted fabric	page 13	✓
4 Knitted fabric	page 13	✓



Phenol

1 Knitted fabric	page 14	✓
2 Knitted fabric	page 14	✓
3 Knitted fabric	page 14	✓
4 Knitted fabric	page 14	✓

Free, cleavable and carcinogenic arylamines, free and cleavable aniline

1 Knitted fabric	page 15	✓
2 Knitted fabric	page 15	✓
3 Knitted fabric	page 15	✓
4 Knitted fabric	page 15	✓

Surfactant, wetting agent residues, alkyl phenols

1 Knitted fabric	page 17	✓
2 Knitted fabric	page 17	✓
3 Knitted fabric	page 17	✓
4 Knitted fabric	page 17	✓

Color fastness to water

1 Knitted fabric	page 18	✓
2 Knitted fabric	page 18	✓
3 Knitted fabric	page 18	✓
4 Knitted fabric	page 18	✓



Color fastness to perspiration

1 Knitted fabric	page 19	✓
2 Knitted fabric	page 19	✓
3 Knitted fabric	page 19	✓
4 Knitted fabric	page 19	✓

Color fastness to rubbing

1 Knitted fabric	page 20	✓
2 Knitted fabric	page 20	✓
3 Knitted fabric	page 20	✓
4 Knitted fabric	page 20	✓

Color fastness to saliva and perspiration

1 Knitted fabric	page 21	✓
2 Knitted fabric	page 21	✓
3 Knitted fabric	page 21	✓
4 Knitted fabric	page 21	✓



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List of abbreviations

n.d. = not determined = below Reporting Limit

RL = Reporting limit

Appendix Table of Contents

Detail Results

page **10**



Detail Results

pH-Value

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1	2	3	4	LV
pH-value	6.2	5.6	5.4	5.8	≥ 4.0 ≤ 7.5

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Formaldehyde

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I, 04.2025

	1 ^{C1} [mg/kg]	2 ^{C1} [mg/kg]	3 ^{C2} [mg/kg]	4 ^{C2} [mg/kg]	RL [mg/kg]	LV [mg/kg]
Formaldehyde	n.d.	n.d.	n.d.	n.d.	< 10	< 16

Footnotes

Composite Samples	C1	1, 2
	C2	3, 4

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Result value details:

Formaldehyde

n.d. corresponds according to "Japanese Law 112" test method with an absorbance unit less than 0.05 resp. 16 mg/kg.



Extractable (heavy) metals

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1 [mg/kg]	2 [mg/kg]	3 [mg/kg]	4 [mg/kg]	RL [mg/kg]	LV [mg/kg]
Antimony	n.d.	n.d.	n.d.	n.d.	< 4	< 30
Arsenic	n.d.	n.d.	n.d.	n.d.	< 0.05	< 0.20
Lead	n.d.	n.d.	n.d.	n.d.	< 0.05	< 0.20
Cadmium	n.d.	n.d.	n.d.	n.d.	< 0.05	< 0.10
Chromium	n.d.	n.d.	n.d.	n.d.	< 0.1	< 1.0
Cobalt	n.d.	n.d.	n.d.	n.d.	< 0.1	< 1.0
Copper	n.d.	n.d.	n.d.	n.d.	< 4	< 25
Nickel	n.d.	0.11	0.14	n.d.	< 0.10	< 1.00
Mercury	n.d.	n.d.	n.d.	n.d.	< 0.010	< 0.020
Barium	n.d.	n.d.	n.d.	n.d.	< 4	< 1000
Selenium	n.d.	n.d.	n.d.	n.d.	< 4	< 100
Zinc	12	n.d.	n.d.	n.d.	< 4	< 750
Manganese	n.d.	n.d.	n.d.	n.d.	< 4	< 90

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Result value details:

Copper

No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products.



Chlorinated phenols

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1 ^{C1} [mg/kg]	2 ^{C1} [mg/kg]	3 ^{C2} [mg/kg]	4 ^{C2} [mg/kg]	RL [mg/kg]	LV [mg/kg]
2-Chlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
3-Chlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
4-Chlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
Sum Monochlorophenols (MCP)	n.d.	n.d.	n.d.	n.d.	-	< 0.50
2,3-Dichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,4-/2,5-Dichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,6-Dichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
3,4-Dichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
3,5-Dichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
Sum Dichlorophenols (DCP)	n.d.	n.d.	n.d.	n.d.	-	< 0.50
2,3,4-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,3,5-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,3,6-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,4,5-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,4,6-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
3,4,5-Trichlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
Sum Trichlorophenols (TrCP)	n.d.	n.d.	n.d.	n.d.	-	< 0.20
2,3,4,5-Tetrachlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,3,4,6-Tetrachlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
2,3,5,6-Tetrachlorophenol	n.d.	n.d.	n.d.	n.d.	< 0.01	-
Sum Tetrachlorophenols (TeCP)	n.d.	n.d.	n.d.	n.d.	-	< 0.05
Pentachlorophenol (PCP)	n.d.	n.d.	n.d.	n.d.	< 0.01	< 0.05
o-Phenylphenol (OPP)	n.d.	n.d.	n.d.	n.d.	< 1.0	< 10.0

Footnotes

Composite Samples	C1	1, 2
	C2	3, 4

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Phenol

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1 [mg/kg]	2 [mg/kg]	3 [mg/kg]	4 [mg/kg]	RL [mg/kg]	LV [mg/kg]
Phenol	n.d.	n.d.	n.d.	n.d.	< 10	< 20.0
Resorcinol	n.d.	n.d.	n.d.	n.d.	< 50	< 1000.0

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Free, cleavable and carcinogenic arylamines, free and cleavable aniline

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1 C1 [mg/kg]	2 C1 [mg/kg]	3 C2 [mg/kg]	4 C2 [mg/kg]	RL [mg/kg]	LV [mg/kg]
Aniline	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Aminoazobenzene	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Aminobiphenyl	n.d.	n.d.	n.d.	n.d.	< 10	< 20
o-Anisidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
Benzidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Chloro-o-toluidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Chloroaniline	n.d.	n.d.	n.d.	n.d.	< 10	< 20
p-Cresidine (6-Methoxy-m-toluidine)	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Diaminoanisole	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Dichlorobenzidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,5-Diaminotoluene / 2-Methyl-p-phenylenediamine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Diaminodiphenylmethane	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Dimethoxybenzidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Dimethylbenzidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
3,3'-Diaminobenzidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4-Ethoxyaniline / p-Phenetidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Methylenedi-o-toluidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Methylene-bis-(2-chloroaniline)	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2-Naphthylamine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Oxydianiline	n.d.	n.d.	n.d.	n.d.	< 10	< 20
4,4'-Thiodianiline	n.d.	n.d.	n.d.	n.d.	< 10	< 20
o-Toluidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Toluylenediamine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4,5-Trimethylaniline	n.d.	n.d.	n.d.	n.d.	< 10	< 20
2,4-Xylidine / 2,6-Xylidine	n.d.	n.d.	n.d.	n.d.	< 10	< 20
p-Anisidine	n.d.	n.d.	n.d.	n.d.	< 10	-
N-Methylaniline	n.d.	n.d.	n.d.	n.d.	< 10	-



Footnotes

Composite Samples	C1	1, 2
	C2	3, 4

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

o-Aminoazotoluene is detected indirectly by analysis of o-Toluidine.

2-Amino-4-nitrotoluene is detected indirectly by analysis of 2,4-Toluylenediamine.

Result value details:

2,4-Xylidine / 2,6-Xylidine

2,4-Xylidine and 2,6-Xylidine have not been separated analytically, so that the determined value is given for both substances combined.

p-Anisidine

p-Anisidine is under observation and the result is provided for information but presently not regulated indeed.

N-Methylaniline

N-Methylaniline is under observation and the result is provided for information but presently not regulated indeed.



Surfactant, wetting agent residues, alkyl phenols

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1	2	3	4	RL	LV
	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]
4-tert-Butylphenol (BP)	n.d.	n.d.	n.d.	n.d.	< 4.0	-
Pentylphenol (PeP)	n.d.	n.d.	n.d.	n.d.	< 4.0	-
Heptylphenol (HpP)	n.d.	n.d.	n.d.	n.d.	< 4.0	-
Octylphenol (OP)	n.d.	n.d.	n.d.	n.d.	< 4.0	-
Octylphenoethoxylates (OP(EO))	n.d.	n.d.	n.d.	n.d.	< 10.0	-
Nonylphenol (NP)	n.d.	n.d.	n.d.	n.d.	< 4.0	-
Nonylphenoethoxylates (NP(EO))	n.d.	n.d.	n.d.	n.d.	< 10.0	-
Sum BP, NP, OP, HpP, PeP, NP(EO), OP(EO)	n.d.	n.d.	n.d.	n.d.	-	< 50.0
Sum BP, NP, OP, HpP, PeP	n.d.	n.d.	n.d.	n.d.	-	< 5.0

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Color fastness to water

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1	2	3	4	LV
Adjacent fabric 1	Cotton	Cotton	Cotton	Cotton	-
Adjacent fabric 2	Wool	Wool	Wool	Wool	-
Fastness grade 1	5	4-5	4-5	4-5	(LV1)
Fastness grade 2	5	4-5	4-5	4-5	(LV1)

Footnotes

Leads to failed (LV1) 1 / 1-2 / 2 / 2-3 / 3

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Color fastness to perspiration

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

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

Footnotes

Leads to failed (LV1) 1 / 1-2 / 2 / 2-3 / 3

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Color fastness to rubbing

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1	2	3	4	LV
Fastness grade dry	5	5	5	5	(LV1)

Footnotes

Leads to failed **(LV1)** 1 / 1-2 / 2 / 2-3 / 3 / 3-4

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100



Color fastness to saliva and perspiration

The following results were evaluated against the limit values (LV):

I OEKO-TEX® STANDARD 100 Annex 6 product class I Edition 04.2025

	1	2	3	4	LV
Rating	fast	fast	fast	fast	(LV1)

Footnotes

Leads to failed (LV1) not fast

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Result value details:

Rating

The evaluation "fast" confirms the saliva and perspiration fastness of the sample.
The evaluation "not fast" confirms that the sample is not fast to saliva and perspiration.