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Report no. 23.0006293

from 22/06/2023

Order Date	12/06/2023
Period of Testing	12/06/2023 - 19/06/2023

Customer Reference

Certificate no. 23.HUZ.31302

Aim of Test	**OEKO-TEX® STANDARD 100 Annex 4 product class I Edition 02.2023**
Testing Material	**Knitted fabric**
Sampling	**The test object was sent to Hohenstein by the client.**

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Report Approval This document has been created digitally and is valid without a signature. It has been approved by
Verena Staniewski, Dipl.-Des. (FH)
(Produktspezialist/-in / Product Specialist OEKO-TEX®)

Summary

Passed

Please refer to the test overview for details.

Testing Material

1 Warp-knitted fabric	
Colour	Raw white
Material composition	CO
Material receipt	01/06/2023

Test Overview

Terms of Use

The results relate only to the samples examined. The measurement uncertainty of the method is already considered while determining limit values, unless otherwise noted. This report must only be reproduced in full and not in extract form. Use of the report in advertising or the publication of free interpretations of the results is only allowed with the express permission of Hohenstein. Only the authorized report is legally binding.

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List of abbreviations

n.d. = not detectable

LOQ = Limit of quantitation

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Detail Results

pH-Value

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1	LV
pH-value	6.6	≥ 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): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Formaldehyde	n.d.	< 10	< 16
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): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Antimony	n.d.	< 4	< 30
Arsenic	n.d.	< 0.05	< 0.20
Lead	0.07	< 0.05	< 0.20
Cadmium	n.d.	< 0.05	< 0.10
Chromium	n.d.	< 0.1	< 1.0
Cobalt	0.1	< 0.1	< 1.0
Copper	n.d.	< 4	< 25
Nickel	0.17	< 0.10	< 1.00
Mercury	n.d.	< 0.010	< 0.020
Barium	n.d.	< 4	< 1000
Selenium	n.d.	< 4	< 100

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.

Pesticides

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
2,4,5-T	n.d.	< 0.05	-
2,4-D	n.d.	< 0.05	-
Acetamiprid	n.d.	< 0.05	-
Aldicarb	n.d.	< 0.05	-
Aldrin	n.d.	< 0.05	-
Azinophosethyl	n.d.	< 0.05	-
Azinophosmethyl	n.d.	< 0.05	-
Bromophos-ethyl	n.d.	< 0.05	-
Captafol	n.d.	< 0.05	-
Carbaryl	n.d.	< 0.05	-
Carbendazim	n.d.	< 0.05	-
Chlorbenzilate	n.d.	< 0.05	-
Chlordane	n.d.	< 0.05	-
Chlordimeform	n.d.	< 0.05	-
Chlorfenvinphos	n.d.	< 0.05	-
Chlorothalonil	n.d.	< 0.05	-
Clothianidin	n.d.	< 0.05	-
Coumaphos	n.d.	< 0.05	-
Cyfluthrin	n.d.	< 0.05	-
Cyhalothrin	n.d.	< 0.05	-
Cypermethrin	n.d.	< 0.05	-
Tribufos (DEF)	n.d.	< 0.05	-
Deltamethrin	n.d.	< 0.05	-
o,p'-DDD	n.d.	< 0.05	-
p,p'-DDD	n.d.	< 0.05	-
o,p'-DDE	n.d.	< 0.05	-
p,p'-DDE	n.d.	< 0.05	-
o,p'-DDT	n.d.	< 0.05	-

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
p,p'-DDT	n.d.	< 0.05	-
Diazinon	n.d.	< 0.05	-
Dichlorophene	n.d.	< 0.05	-
Dichlorprop	n.d.	< 0.05	-
Dicofol	n.d.	< 0.05	-
Dicrotophos	n.d.	< 0.05	-
Dieldrine	n.d.	< 0.05	-
Dimethoate	n.d.	< 0.05	-
Dinoseb, its salts and acetate	n.d.	< 0.05	-
Dinotefuran	n.d.	< 0.05	-
DTTB	n.d.	< 0.05	-
Endosulfan, α-	n.d.	< 0.05	-
Endosulfan, β-	n.d.	< 0.05	-
Endrine	n.d.	< 0.05	-
Esfenvalerate / Fenvalerate	n.d.	< 0.05	-
Heptachlor	n.d.	< 0.05	-
cis-Heptachloroepoxide	n.d.	< 0.05	-
trans-Heptachloroepoxide	n.d.	< 0.05	-
Hexachlorobenzene	n.d.	< 0.05	-
Hexachlorocyclohexane, α- (α-HCH)	n.d.	< 0.05	-
Hexachlorocyclohexane, β- (β-HCH)	n.d.	< 0.05	-
Hexachlorocyclohexane, δ- (δ-HCH)	n.d.	< 0.05	-
Imidacloprid	n.d.	< 0.05	-
Isodrine	n.d.	< 0.05	-
Kepone	n.d.	< 0.05	-
Lindan (γ-HCH)	n.d.	< 0.05	-
Malathion	n.d.	< 0.05	-
MCPA	n.d.	< 0.05	-
MCPB	n.d.	< 0.05	-
Mecoprop	n.d.	< 0.05	-
Methamidophos	n.d.	< 0.05	-

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Methoxychlor	n.d.	< 0.05	-
Mirex	n.d.	< 0.05	-
Monocrotophos	n.d.	< 0.05	-
Nitenpyram	n.d.	< 0.05	-
Parathion-ethyl	n.d.	< 0.05	-
Parathion-methyl	n.d.	< 0.05	-
Perthane	n.d.	< 0.05	-
Mevinphos	n.d.	< 0.05	-
Phosphamidone	n.d.	< 0.05	-
Propethamphos	n.d.	< 0.05	-
Profenophos	n.d.	< 0.05	-
Silafluofen	n.d.	< 0.05	-
Quinalphos	n.d.	< 0.05	-
Telodrine	n.d.	< 0.05	-
Thiacloprid	n.d.	< 0.05	-
Thiamethoxam	n.d.	< 0.05	-
Tolyfluanide	n.d.	< 0.05	-
Trifluralin	n.d.	< 0.05	-
Sum pesticides	n.d.	-	< 0.50

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Result value details:

Esfenvalerate / Fenvalerate

Esfenvalerate and Fenvalerate are not analytically separable, so that the determined value for both substances must be given combined.

Glyphosate for conventional cotton

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Glyphosate	n.d.	< 0.40	< 5.00
Additional details for this test			

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Chlorinated phenols

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
2-Chlorophenol	n.d.	< 0.01	-
3-Chlorophenol	n.d.	< 0.01	-
4-Chlorophenol	n.d.	< 0.01	-
Sum Monochlorophenols (MCP)	n.d.	-	< 0.50
2,3-Dichlorophenol	n.d.	< 0.01	-
2,4-/2,5-Dichlorophenol	n.d.	< 0.01	-
2,6-Dichlorophenol	n.d.	< 0.01	-
3,4-Dichlorophenol	n.d.	< 0.01	-
3,5-Dichlorophenol	n.d.	< 0.01	-
Sum Dichlorophenols (DCP)	n.d.	-	< 0.50
2,3,4-Trichlorophenol	n.d.	< 0.01	-
2,3,5-Trichlorophenol	n.d.	< 0.01	-
2,3,6-Trichlorophenol	n.d.	< 0.01	-
2,4,5-Trichlorophenol	n.d.	< 0.01	-
2,4,6-Trichlorophenol	n.d.	< 0.01	-
3,4,5-Trichlorophenol	n.d.	< 0.01	-
Sum Trichlorophenols (TrCP)	n.d.	-	< 0.20
2,3,5,6-Tetrachlorophenol	n.d.	< 0.01	-
2,3,4,6-Tetrachlorophenol	n.d.	< 0.01	-
2,3,4,5-Tetrachlorophenol	n.d.	< 0.01	-
Sum Tetrachlorophenols (TeCP)	n.d.	-	< 0.05
Pentachlorophenol (PCP)	n.d.	< 0.01	< 0.05
o-Phenylphenol (OPP)	n.d.	< 2.0	< 10.0
Additional details for this test			

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Organic tin compounds

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Monomethyltin (MMT)	n.d.	< 0.05	< 1.00
Monobutyltin (MBT)	n.d.	< 0.05	< 1.00
Monooctyltin (MOT)	n.d.	< 0.05	< 1.00
Monophenyltin (MPhT)	n.d.	< 0.05	< 1.00
Dimethyltin (DMT)	n.d.	< 0.05	< 1.00
Dipropyltin (DPT)	n.d.	< 0.05	< 1.00
Dibutyltin (DBT)	n.d.	< 0.05	< 1.00
Dioctyltin (DOT)	n.d.	< 0.05	< 1.00
Diphenyltin (DPhT)	n.d.	< 0.05	< 1.00
Trimethyltin (TMT)	n.d.	< 0.05	< 1.00
Tripropyltin (TPT)	n.d.	< 0.05	< 1.00
Tributyltin (TBT)	n.d.	< 0.05	< 0.50
Trioctyltin (TOT)	n.d.	< 0.05	< 1.00
Triphenyltin (TPhT)	n.d.	< 0.05	< 0.50
Tricyclohexyltin (TCyHT)	n.d.	< 0.05	< 1.00
Tetraethyltin (TeET)	n.d.	< 0.05	< 1.00
Tetrabutyltin (TeBT)	n.d.	< 0.05	< 1.00
Tetraoctyltin (TeOT)	n.d.	< 0.05	< 1.00

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Odour

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 4 product class I, 02.2023

	1	LV
The following odour was noticed	No abnormal odour	(LV1)
Footnotes		
Leads to failed	**(LV1)** Abnormal odour	
Additional details for this test		

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100