

Registered

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Test Report SH005 275198.1**Application**

7. Renewal of certificate SH005 149658 - OEKO-TEX® STANDARD 100, Product Class I, Annex 6

Test Material

PVA yarn

Issuing

Original Issuing, 07.01.2026
Number Of Included Pages: 10

TESTEX AG

Swiss Textile Testing Institute



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Annex:

Certificate SH005 149658 valid to 31.01.2027



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
Surfactants, Wetting Agent Residues OEKO-TEX® Method 20	p	p
Heavy Metals OEKO-TEX® Method 3.1 (Extract)	p	p
Phenol OEKO-TEX® Method 24	p	p
pH-Value OEKO-TEX® Method 1 (ISO 3071:2020 - KCl)		p
Solvent Residues OEKO-TEX® Method 14	p	
Bisphenols OEKO-TEX® Method 25	p	p
VOCs (Volatile Organic Compounds), Glycols, Cresols OEKO-TEX® Method 17	p	p
Formaldehyde OEKO-TEX® Method 2.2 - JIS L-1041	p	p
Chlorinated Phenols and OPP OEKO-TEX® Method 5		p
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13	p	p
Mercury OEKO-TEX® Method 3.1 (Mercury)	p	p

1: PVA Yarn Raw

2: PVA Yarn Raw

3 Scope Of Application

An application with the appropriate OEKO-TEX® forms was submitted for **100% PVA water soluble yarn in raw white.**

The application is for the 7. Renewal of certificate SH005 149658 - OEKO-TEX® STANDARD 100, Product Class I, Annex 6.

A signed declaration of conformity was submitted.

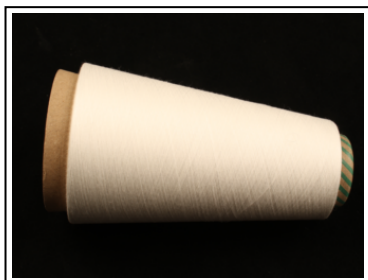
4 Samples

No.	Receipt	Sample Identification
1	09.12.2025	PVA, Yarn, Raw
2	09.12.2025	PVA, Yarn, Raw

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

5 Photo Overview

#1 Image 1



PVA Yarn Raw

#2 Image 1



PVA Yarn Raw

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".

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Surfactants, Wetting Agent Residues OEKO-TEX® Method 20			
Number of Tests		1	1
• 4-tert-butylphenol [mg/kg]		<2	<2
• Pentylphenol (PeP) [mg/kg]		<2	<2
• Hexylphenol (HxP) [mg/kg]		<2	<2
• Heptylphenol (HpP) [mg/kg]		<2	<2
• Octylphenol (OP) [mg/kg]		<2	<2
• Nonylphenol (NP) [mg/kg]		<2	<2
• Sum AP [mg/kg]	<5	<2	<2
• Octylphenoethoxylate (OPEO) [mg/kg]		<5	<5
• Nonylphenoethoxylate (NPEO) [mg/kg]		<5	<5
• Sum AP & APEO [mg/kg]	<50	<5	<5

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Heavy Metals OEKO-TEX® Method 3.1 (Extract)			
Number of Tests		1	1
• Antimony [mg/kg]	<30	<0.1	<0.1
• Arsenic [mg/kg]	<0.20	0.04	0.04
• Lead [mg/kg]	<0.20	0.06	0.04
• Cadmium [mg/kg]	<0.10	<0.02	<0.02
• Chromium total [mg/kg]	<1.0	0.04	0.03
• Cobalt [mg/kg]	<1.0	<0.02	<0.02
• Copper [mg/kg]	<25	<1.0	3.3
• Nickel [mg/kg]	<1.0	0.18	<0.10
• Mercury [mg/kg]	<0.02		
• Selenium [mg/kg]	<100	<0.40	<0.40
• Zinc [mg/kg]	<750	3.7	5.1
• Manganese [mg/kg]	<90	<0.40	<0.40
• Barium [mg/kg]	<1000	<2.00	<2.00

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Phenol OEKO-TEX® Method 24 *				
Number of Tests			1	1
• Phenol	[mg/kg]	<20	<5.0	<5.0
• Resorcinol	[mg/kg]	<1000	<5.0	<5.0
• 2,4,6-tri-tert-butylphenol	[mg/kg]		<5.0	<5.0

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pH-Value OEKO-TEX® Method 1 (ISO 3071:2020 - KCl)			
Number of Tests			2
• Aqueous extract	[pH]	>=4.0 <=7.5	6.2

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Solvent Residues OEKO-TEX® Method 14			
Number of Tests			1
• Formamide	[mg/kg]	<200	<20.0
• Dimethylformamide (DMF)	[mg/kg]	<500	<20.0
• N,N-dimethylacetamide (DMAc)	[mg/kg]	<500	<20.0
• N-Methylpyrrolidone (NMP)	[mg/kg]	<500	<20.0
• N-ethyl-2-pyrrolidone (NEP)	[mg/kg]	<1000	<20.0
• 2-Pyrrolidone	[mg/kg]	<1000	<20.0

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Bisphenols OEKO-TEX® Method 25				
Number of Tests			1	1
• Bisphenol A	[mg/kg]	<10	<10	<10
• Bisphenol AF	[mg/kg]	<1000	<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]	<1000	<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
• Bis(4-chlorophenyl) sulphone (DCDPS)	[mg/kg]	<1000	<10	<10
• Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide (DPPO)	[mg/kg]	<1000	<10	<10
• Bis-(a,a-dimethylbenzyl)-peroxide (Dicumylperoxid, DCUP)	[mg/kg]	<1000	<10	<10

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VOCs (Volatile Organic Compounds), Glycols, Cresols				
OEKO-TEX® Method 17				
Number of Tests			1	1
• Dichloromethane	[mg/kg]	<1.0	<0.10	<0.10
• Chloroform	[mg/kg]	<1.0	<0.10	<0.10
• Tetrachloromethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1-Dichloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,2-Dichloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1,1-Trichloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1,2-Trichloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1,1,2-Tetrachloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1,2,2-Tetrachloroethane	[mg/kg]	<1.0	<0.10	<0.10
• Pentachloroethane	[mg/kg]	<1.0	<0.10	<0.10
• 1,1-Dichloroethylene	[mg/kg]	<1.0	<0.10	<0.10
• 1,2-Dichloroethylene	[mg/kg]	<1.0	<0.10	<0.10
• Trichloroethylene	[mg/kg]	<1.0	<0.10	<0.10
• Tetra(per)chloroethylene	[mg/kg]	<1.0	<0.10	<0.10
• Sum of Chlorinated solvents	[mg/kg]	<5.0	<0.10	<0.10
• Methyl ethyl ketone	[mg/kg]	<10.0	<0.10	<0.10
• Ethylbenzene	[mg/kg]	<10.0	<0.10	<0.10
• Xylene (all isomers)	[mg/kg]	<10.0	<0.10	<0.10
• Cyclohexanone	[mg/kg]	<10.0	<0.10	<0.10
• 2-Ethoxyethylacetate	[mg/kg]	<10.0	<0.10	<0.10
• 1,2,3-Trichloropropane	[mg/kg]	<10.0	<0.10	<0.10
• Acetophenone	[mg/kg]	<10.0	<0.10	<0.10
• 2-Phenyl-2-propanol	[mg/kg]	<10.0	<0.10	<0.10
• Bis(2-methoxyethyl)ether	[mg/kg]	<10.0	<0.10	<0.10
• Styrene	[mg/kg]	<10.0	<0.10	<0.10
• Benzene	[mg/kg]	<1.0	<0.10	<0.10
• Toluene	[mg/kg]	<10.0	<0.10	<0.10
• 2-Ethoxyethanol	[mg/kg]	<10.0	<0.10	<0.10
• Ethylene glycol dimethyl ether	[mg/kg]	<10.0	<0.10	<0.10
• 2-Methoxyethanol	[mg/kg]	<10.0	<0.10	<0.10
• 2-Methoxyethylacetate	[mg/kg]	<10.0	<0.10	<0.10
• 2-Methoxypropylacetate	[mg/kg]	<10.0	<0.10	<0.10
• Triethylene glycol dimethyl ether	[mg/kg]	<10.0	<0.10	<0.10
• o-Cresol	[mg/kg]	<10.0	<0.10	<0.10
• m-Cresol	[mg/kg]	<10.0	<0.10	<0.10
• p-Cresol	[mg/kg]	<10.0	<0.10	<0.10
• 2-Methoxypropanol	[mg/kg]	<10.0	<0.10	<0.10
• 1,2-Diethoxyethane	[mg/kg]	<10.0	<0.10	<0.10
• 1,4-Dioxane	[mg/kg]	<10.0	<1.0	<1.0
• 2-Butanone oxime	[mg/kg]		<1.0	<1.0

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Formaldehyde OEKO-TEX® Method 2.2 - JIS L-1041			
Number of Tests		1	1
• Free formaldehyde [mg/kg]	<16	<16	<16

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Chlorinated Phenols and OPP OEKO-TEX® Method 5			
Number of Tests			1
• OPP (Orthophenylphenol) [mg/kg]	<10	<0.05	
• Pentachlorophenol (PCP) [mg/kg]	<0.05	<0.01	
• 2,3,5,6-TeCP [mg/kg]		<0.01	
• 2,3,4,6-TeCP [mg/kg]		<0.01	
• 2,3,4,5-TeCP [mg/kg]		<0.01	
• Tetrachlorophenols (TeCP, Sum) [mg/kg]	<0.05	<0.01	
• 2,3,4-TrCP [mg/kg]		<0.01	
• 2,3,5-TrCP [mg/kg]		<0.01	
• 2,3,6-TrCP [mg/kg]		<0.01	
• 2,4,5-TrCP [mg/kg]		<0.01	
• 2,4,6-TrCP [mg/kg]		<0.01	
• 3,4,5-TrCP [mg/kg]		<0.01	
• Trichlorophenols (TrCP, Sum) [mg/kg]	<0.20	<0.01	
• 2,4/2,5-DCP [mg/kg]		<0.01	
• 2,6-DCP [mg/kg]		<0.01	
• 2,3-DCP [mg/kg]		<0.01	
• 3,4-DCP [mg/kg]		<0.01	
• 3,5-DCP [mg/kg]		<0.01	
• Dichlorophenols (DCP, Sum) [mg/kg]	<0.50	<0.01	
• 2-MCP [mg/kg]		<0.01	
• 3-MCP [mg/kg]		<0.01	
• 4-MCP [mg/kg]		<0.01	
• Monochlorophenols (MCP, Sum) [mg/kg]	<0.50	<0.01	

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Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13				
Number of Tests			1	1
• Naphthalene	[mg/kg]	<2.0	<0.01	<0.01
• Acenaphthylene	[mg/kg]		<0.01	<0.01
• Acenaphthene	[mg/kg]		<0.01	<0.01
• Fluorene	[mg/kg]		<0.01	<0.01
• Phenanthrene	[mg/kg]		<0.01	<0.01
• Anthracene	[mg/kg]		<0.01	<0.01
• Fluoranthene	[mg/kg]		<0.01	<0.01
• Pyrene	[mg/kg]		<0.01	<0.01
• 1-Methylpyrene	[mg/kg]		<0.01	<0.01
• Cyclopenta[cd]pyrene	[mg/kg]		<0.01	<0.01
• Benzo[a]anthracene	[mg/kg]	<0.50	<0.01	<0.01
• Chrysene	[mg/kg]	<0.50	<0.01	<0.01
• Benzo[b]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01
• Benzo[k]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01
• Benzo[j]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01
• Benzo[e]pyrene	[mg/kg]	<0.50	<0.01	<0.01
• Benzo[a]pyrene	[mg/kg]	<0.50	<0.01	<0.01
• Dibenzo[ah]anthracene	[mg/kg]	<0.50	<0.01	<0.01
• Indeno[1,2,3-cd]pyrene	[mg/kg]		<0.01	<0.01
• Benzo[ghi]perylene	[mg/kg]		<0.01	<0.01
• Dibenzo[ae]pyrene	[mg/kg]		<0.01	<0.01
• Dibenzo[al]pyrene	[mg/kg]		<0.01	<0.01
• Dibenzo[ai]pyrene	[mg/kg]		<0.01	<0.01
• Dibenzo[ah]pyrene	[mg/kg]		<0.01	<0.01
• Sum	[mg/kg]	<5.0	<0.01	<0.01

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Mercury OEKO-TEX® Method 3.1 (Mercury) *				
Number of Tests			1	1
• Mercury	[mg/kg]	<0.02	<0.01	<0.01

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.

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End of Report