

Registered

Jiaying Baichuan Printer Technology Co., Ltd.
Building No. 3, No. 15, Dongsheng Road, Huimin
District
Jiashan Zhejiang 314112
China

Your Reference

Customer Number 75578
Contact Person Chen Huali
E-Mail sale@inks.com.cn

Zurich / 21.06.2023 / chnd

Test Report SH150 221614.1

Application

Initial Certification OEKO-TEX® ECO PASSPORT

Test Material

Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink

Issuing

Original Issuing, 21.06.2023
Number Of Included Pages: 20

TESTEX AG

Swiss Textile Testing Institute



David Saladin

Laboratory Team Leader



Chantal Ndongo

Ecology Advisor

cc: TESTEX Shanghai



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
Aldehydes OEKO-TEX® ECO PASSPORT	p	x	x	x	x	x
Azo Dyes OEKO-TEX® ECO PASSPORT Method 11.1	p	p	p	p		
Bisphenols OEKO-TEX® ECO PASSPORT Method	p	p	p	p	p	p
Chlorinated Benzenes & Toluenes OEKO-TEX® ECO PASSPORT Method 12	p	p	p	p	p	p
Chlorinated Paraffins (CPs) OEKO-TEX® ECO PASSPORT Method 8	p	p	p	p	p	p
Chlorinated Phenols and OPP OEKO-TEX® ECO PASSPORT Method 5	p	p	p	p	p	p
Dimethylfumarate OEKO-TEX® ECO PASSPORT Method 10			p	p		
Disperse Dyes OEKO-TEX® ECO PASSPORT Method 11.3	p	p	p	p		
Heavy Metals OEKO-TEX® ECO PASSPORT Method 3	x	p	p	p	p	p
Phenol OEKO-TEX® ECO PASSPORT Method 5.1	p	p	p	p	p	p
Process Preservative Agents OEKO-TEX® ECO PASSPORT Method 18	p	p	p	p	p	p

Solvent Residues OEKO-TEX® ECO PASSPORT Method 14			p	p		
Surfactants, Wetting Agent Residues OEKO-TEX® ECO PASSPORT Method 15	p	p	p	p	p	p
Chromium VI OEKO-TEX® ECO PASSPORT Method 3.3	p		p	p		
VOCs (Volatile Organic Compounds) OEKO-TEX® ECO PASSPORT Method 19			p	p		

- 1: Category 2.10 Textile Ink DTF Cyan Ink
- 2: Category 2.10 Textile Ink DTF Magenta Ink
- 3: Category 2.10 Textile Ink DTF Yellow Ink
- 4: Category 2.10 Textile Ink DTF Black Ink
- 5: Category 2.10 Textile Ink DTF White Ink
- 6: Category 2.10 Textile Ink Pretreatment Liquid DK

3 Scope Of Application

An application with the appropriate OEKO-TEX® forms was submitted for **Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink; Textile Ink.**

The application is for the Initial Certification OEKO-TEX® ECO PASSPORT.

4 Samples

No.	Receipt	Sample Identification
1	26.05.2023	Category 2.10, Textile Ink, DTF Cyan Ink
2	26.05.2023	Category 2.10, Textile Ink, DTF Magenta Ink
3	26.05.2023	Category 2.10, Textile Ink, DTF Yellow Ink
4	26.05.2023	Category 2.10, Textile Ink, DTF Black Ink
5	26.05.2023	Category 2.10, Textile Ink, DTF White Ink
6	26.05.2023	Category 2.10, Textile Ink, Pretreatment Liquid DK

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

5 Photo Overview

#1



Category 2.10 Textile Ink DTF
Cyan Ink

#2



Category 2.10 Textile Ink DTF
Magenta Ink

#3



Category 2.10 Textile Ink DTF
Yellow Ink

#4



Category 2.10 Textile Ink DTF
Black Ink

#5



Category 2.10 Textile Ink DTF
White Ink

#6



Category 2.10 Textile Ink
Pretreatment Liquid DK

6 Tests Performed / Results

As required in the OEKO-TEX® ECO PASSPORT the test program is decided by the institute based on the product group and on the technical information given in the application form. Required tests are carried out according to OEKO-TEX® ECO PASSPORT and the testing procedure laid down in "OEKO-TEX® ECO PASSPORT-Testing Procedures".

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Aldehydes					
OEKO-TEX® ECO PASSPORT *					
Number of Tests		2	2	2	2
• Glutaraldehyde [mg/kg]	<1000	<16	<16	<16	<16
• Free formaldehyde [mg/kg]	<200	169	703	670	278

Please note that it is possible to accept the result of samples #1-4 in connection with a restriction on your OEKO-TEX® ECO PASSPORT certificate. In order to continue without restrictions, we ask you to improve your production and to send us new material from adjusted production to repeat the corresponding tests. Please give us all details on how you adjusted your production.

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
Aldehydes			
OEKO-TEX® ECO PASSPORT *			
Number of Tests		2	2
• Glutaraldehyde [mg/kg]	<1000	<16	<16
• Free formaldehyde [mg/kg]	<200	439	417

Please note that it is possible to accept the result of samples #5-6 in connection with a restriction on your OEKO-TEX® ECO PASSPORT certificate. In order to continue without restrictions, we ask you to improve your production and to send us new material from adjusted production to repeat the corresponding tests. Please give us all details on how you adjusted your production.



TESTEX®

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Azo Dyes					
OEKO-TEX® ECO PASSPORT Method 11.1					
Number of Tests		1	2	1	1
• Aniline [mg/kg]	<100	<5.0	6.9	<5.0	<5.0
• o-Toluidine [mg/kg]	<100	<20	<20	<20	<20
• 2,4-Xylidine [mg/kg]	<100	<20	<20	<20	<20
• 2,6-Xylidine [mg/kg]	<100	<20	<20	<20	<20
• o-Anisidine [mg/kg]	<100	<20	<20	<20	<20
• p-Chloraniline [mg/kg]	<100	<20	<20	<20	<20
• p-Cresidine [mg/kg]	<100	<20	<20	<20	<20
• 2,4,5-Trimethylaniline [mg/kg]	<100	<20	<20	<20	<20
• 4-Chloro-o-toluidine [mg/kg]	<100	<20	<20	<20	<20
• 2,4-Toluylenediamine [mg/kg]	<100	<20	<20	<20	<20
• 2,4-Diaminoanisole [mg/kg]	<100	<20	<20	<20	<20
• 2-Naphthylamine [mg/kg]	<100	<20	<20	<20	<20
• 2-Amino-4-nitrotoluene [mg/kg]	<100	<20	<20	<20	<20
• 4-Aminodiphenyl [mg/kg]	<100	<20	<20	<20	<20
• 4,4'-Oxydianiline [mg/kg]	<100	<20	<20	<20	<20
• Benzidine [mg/kg]	<100	<20	<20	<20	<20
• 4,4'-Diaminodiphenylmethane [mg/kg]	<100	<20	<20	<20	<20
• o-Aminoazotoluene [mg/kg]	<100	<20	<20	<20	<20
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane [mg/kg]	<100	<20	<20	<20	<20
• 3,3'-Dimethylbenzidine [mg/kg]	<100	<20	<20	<20	<20
• 4,4'-Thiodianiline [mg/kg]	<100	<20	<20	<20	<20
• 3,3'-Dichlorobenzidine [mg/kg]	<100	<20	<20	<20	<20
• 4,4'-Methylene-bis-(2-chloraniline) [mg/kg]	<100	<20	<20	<20	<20
• 3,3'-Dimethoxybenzidine [mg/kg]	<100	<20	<20	<20	<20
• 1,4-Phenylenediamine [mg/kg]		<20	<20	<20	<20
• N-Methylaniline [mg/kg]		<20	<20	<20	<20
• 3,3-Diaminobenzidin [mg/kg]	<100	<20	<20	<20	<20
• 2-Amino-5-nitrothiazole [mg/kg]		<20	<20	<20	<20
• 4-Ethoxyaniline [mg/kg]	<100	<20	<20	<20	<20
• 2,5-Diaminotoluene [mg/kg]	<100	<20	<20	<20	<20



TESTEX®

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Bisphenols					
OEKO-TEX® ECO PASSPORT Method *					
Number of Tests		1	1	1	1
• Bisphenol A [mg/kg]	<100	<10	<10	<10	<10
• Bisphenol AF [mg/kg]		<10	<10	<10	<10
• Bisphenol AP [mg/kg]		<10	<10	<10	<10
• Bisphenol B [mg/kg]	<1000	<10	<10	<10	<10
• Bisphenol BP [mg/kg]		<10	<10	<10	<10
• Bisphenol C [mg/kg]		<10	<10	<10	<10
• Bisphenol E [mg/kg]		<10	<10	<10	<10
• Bisphenol F [mg/kg]		<10	<10	<10	<10
• Bisphenol FL [mg/kg]		<10	<10	<10	<10
• Bisphenol M [mg/kg]		<10	<10	<10	<10
• Bisphenol P [mg/kg]		<10	<10	<10	<10
• Bisphenol PH [mg/kg]		<10	<10	<10	<10
• Bisphenol S [mg/kg]	<1000	<10	<10	<10	<10
• Bisphenol Z [mg/kg]		<10	<10	<10	<10
• Methyl-Bisphenol C [mg/kg]		<10	<10	<10	<10
• 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (Vulkanox) [mg/kg]	<1000	<10	<10	<10	<10

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
Bisphenols			
OEKO-TEX® ECO PASSPORT Method *			
Number of Tests		1	1
• Bisphenol A [mg/kg]	<100	<10	<10
• Bisphenol AF [mg/kg]		<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]		<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



TESTEX®

		ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Chlorinated Benzenes & Toluenes						
OEKO-TEX® ECO PASSPORT Method 12						
Number of Tests			1	1	2	1
• Chlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2-Chlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 3-Chlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 4-Chlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,3-Dichlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• Benzylchloride	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,4-Dichlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2-Dichlorobenzene	[mg/kg]	<0.10	0.390	5.20	0.290	
• 2,4-Dichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,5-/ 2,6-Dichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,3,5-Trichlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,α-Dichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3-/ 3,4-Dichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2,4-Trichlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2,3-Trichlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,α,α-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,4,5-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3,6-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 3,4,5-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3,4-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,4,6-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2,3,5-Tetrachlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2,4,5-Tetrachlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,2,6-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,2,4-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 1,2,3,4-Tetrachlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3,4,5-Tetrachlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3,4,6-TeCT / 2,3,5,6-TeCT	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,3,4-Trichlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• α,α,α,2-Tetrachlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• Pentachlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• 2,3,4,5,6-Pentachlorotoluene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• Hexachlorobenzene	[mg/kg]	<0.10	<0.10	<0.10	<0.10	<0.10
• Sum	[mg/kg]	<10	<0.01	0.39	5.2	0.29

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatmen t Liquid DK
Chlorinated Benzenes & Toluenes			
OEKO-TEX® ECO PASSPORT Method 12			
Number of Tests		1	1
• Chlorobenzene [mg/kg]		<0.10	<0.10
• 2-Chlorotoluene [mg/kg]		<0.10	<0.10
• 3-Chlorotoluene [mg/kg]		<0.10	<0.10
• 4-Chlorotoluene [mg/kg]		<0.10	<0.10
• 1,3-Dichlorobenzene [mg/kg]		<0.10	<0.10
• Benzylchloride [mg/kg]		<0.10	<0.10
• 1,4-Dichlorobenzene [mg/kg]		<0.10	<0.10
• 1,2-Dichlorobenzene [mg/kg]		<0.10	<0.10
• 2,4-Dichlorotoluene [mg/kg]		<0.10	<0.10
• 2,5-/ 2,6-Dichlorotoluene [mg/kg]		<0.10	<0.10
• 1,3,5-Trichlorobenzene [mg/kg]		<0.10	<0.10
• α,α-Dichlorotoluene [mg/kg]		<0.10	<0.10
• 2,3-/ 3,4-Dichlorotoluene [mg/kg]		<0.10	<0.10
• 1,2,4-Trichlorobenzene [mg/kg]		<0.10	<0.10
• 1,2,3-Trichlorobenzene [mg/kg]		<0.10	<0.10
• α,α,α-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 2,4,5-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 2,3,6-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 3,4,5-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 2,3,4-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 2,4,6-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 1,2,3,5-Tetrachlorobenzene [mg/kg]		<0.10	<0.10
• 1,2,4,5-Tetrachlorobenzene [mg/kg]		<0.10	<0.10
• α,2,6-Trichlorotoluene [mg/kg]		<0.10	<0.10
• α,2,4-Trichlorotoluene [mg/kg]		<0.10	<0.10
• 1,2,3,4-Tetrachlorobenzene [mg/kg]		<0.10	<0.10
• 2,3,4,5-Tetrachlorotoluene [mg/kg]		<0.10	<0.10
• 2,3,4,6-TeCT / 2,3,5,6-TeCT [mg/kg]		<0.10	<0.10
• α,3,4-Trichlorotoluene [mg/kg]		<0.10	<0.10
• α,α,α,2-Tetrachlorotoluene [mg/kg]		<0.10	<0.10
• Pentachlorobenzene [mg/kg]		<0.10	<0.10
• 2,3,4,5,6-Pentachlorotoluene [mg/kg]		<0.10	<0.10
• Hexachlorobenzene [mg/kg]		<0.10	<0.10
• Sum [mg/kg]	<10	<0.01	<0.01



TESTEX®

ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
---------------------------------------	--	---	--	---

Chlorinated Paraffins (CPs) OEKO-TEX® ECO PASSPORT Method 8					
Number of Tests		1	1	1	1
• Sum of SCCP and MCCP	[mg/kg]	<50	<25.0	<25.0	<25.0

ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
---------------------------------------	---	--

Chlorinated Paraffins (CPs) OEKO-TEX® ECO PASSPORT Method 8			
Number of Tests		1	1
• Sum of SCCP and MCCP	[mg/kg]	<50	<25.0



TESTEX®

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Chlorinated Phenols and OPP					
OEKO-TEX® ECO PASSPORT Method 5					
Number of Tests		1	1	1	1
• OPP (Orthophenylphenol) [mg/kg]	<100	<0.05	<0.05	<0.05	<0.05
• Pentachlorophenol (PCP) [mg/kg]	<0.50	<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]	<0.50	<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]	<2.0	<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]	<5.0	<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]	<5.0	<0.05	<0.05	<0.05	<0.05

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
Chlorinated Phenols and OPP OEKO-TEX® ECO PASSPORT Method 5			
Number of Tests		1	1
• OPP (Orthophenylphenol) [mg/kg]	<100	<0.05	<0.05
• Pentachlorophenol (PCP) [mg/kg]	<0.50	<0.01	<0.01
• 2,3,5,6-TeCP [mg/kg]		<0.01	<0.01
• 2,3,4,6-TeCP [mg/kg]		<0.01	<0.01
• 2,3,4,5-TeCP [mg/kg]		<0.01	<0.01
• Tetrachlorophenols (TeCP, Sum) [mg/kg]	<0.50	<0.01	<0.01
• 2,3,4-TrCP [mg/kg]		<0.05	<0.05
• 2,3,5-TrCP [mg/kg]		<0.05	<0.05
• 2,3,6-TrCP [mg/kg]		<0.05	<0.05
• 2,4,5-TrCP [mg/kg]		<0.05	<0.05
• 2,4,6-TrCP [mg/kg]		<0.05	<0.05
• 3,4,5-TrCP [mg/kg]		<0.05	<0.05
• Trichlorophenols (TrCP, Sum) [mg/kg]	<2.0	<0.05	<0.05
• 2,4/2,5-DCP [mg/kg]		<0.05	<0.05
• 2,6-DCP [mg/kg]		<0.05	<0.05
• 2,3-DCP [mg/kg]		<0.05	<0.05
• 3,4-DCP [mg/kg]		<0.05	<0.05
• 3,5-DCP [mg/kg]		<0.05	<0.05
• Dichlorophenols (DCP, Sum) [mg/kg]	<5.0	<0.05	<0.05
• 2-MCP [mg/kg]		<0.05	<0.05
• 3-MCP [mg/kg]		<0.05	<0.05
• 4-MCP [mg/kg]		<0.05	<0.05
• Monochlorophenols (MCP, Sum) [mg/kg]	<5.0	<0.05	<0.05

	ECO PASSPORT threshold value	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Dimethylfumarate OEKO-TEX® ECO PASSPORT Method 10			
Number of Tests		2	2
• Dimethylfumarate [mg/kg]	<0.10	<0.01	<0.01



TESTEX®

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Disperse Dyes					
OEKO-TEX® ECO PASSPORT Method 11.3					
Number of Tests		1	1	1	1
• C.I. Disperse Blue 1*	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 3	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 7	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 26	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 35	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 102	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 106	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Blue 124	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 1	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 3	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 11*	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 37/76	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 149	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Red 1	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Red 11	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Red 17	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 1	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 3*	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 9	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 23°	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 39S	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 49	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Brown 1	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Yellow 39	[mg/kg] <50.0	<20	<20	<20	<20
• Quinoline	[mg/kg] <250	<20	<20	<20	<20
• C.I. Basic Green 4	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Solvent Yellow 34	[mg/kg] <50.0	<20	<20	<20	<20
• C.I. Disperse Orange 61	[mg/kg]	<20	<20	<20	<20
• C.I. Basic Red 9	[mg/kg] <50	<20	<20	<20	<20
• C.I. Solvent Yellow 2	[mg/kg] <50	<20	<20	<20	<20
• C.I. Solvent Yellow 3	[mg/kg] <50	<20	<20	<20	<20
• C.I. Solvent Yellow 14	[mg/kg] <50	<20	<20	<20	<20
• C.I. Basic Violet 3	[mg/kg] <50	<20	<20	<20	<20
• C.I. Basic Violet 14	[mg/kg] <50	<20	<20	<20	<20
• C.I. Acid Violet 49	[mg/kg] <50	<20	<20	<20	<20
• C.I. Basic Violet 1	[mg/kg] <50	<20	<20	<20	<20
• C.I. Basic Blue 26	[mg/kg] <50	<20	<20	<20	<20
• Michler's Keton	[mg/kg]	<20	<20	<20	<20
• Michler's Base	[mg/kg]	<20	<20	<20	<20

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Heavy Metals					
OEKO-TEX® ECO PASSPORT Method 3					
Number of Tests		2	1	1	1
• Boron [mg/kg]	<1000	<5.0	<5.0	<5.0	<5.0
• Chromium total [mg/kg]	<100	<5.0	<5.0	<5.0	<5.0
• Manganese [mg/kg]	<500	<5.0	6.1	<5.0	<5.0
• Iron [mg/kg]	<2500	10	46	29	48
• Cobalt [mg/kg]	<200	<5.0	<5.0	<5.0	<5.0
• Nickel [mg/kg]	<200	<5.0	<5.0	<5.0	<5.0
• Copper [mg/kg]	<250	3'420	17	8.3	9.4
• Zinc [mg/kg]	<1500	8.9	31	16	26
• Arsenic [mg/kg]	<50	<5.0	<5.0	<5.0	<5.0
• Selenium [mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• Silver [mg/kg]	<100	<5.0	<5.0	<5.0	<5.0
• Cadmium [mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• Tin [mg/kg]	<250	46	47	49	46
• Antimony [mg/kg]	<50	<5.0	<5.0	<5.0	<5.0
• Barium [mg/kg]	<100	<5.0	<5.0	<5.0	<5.0
• Mercury [mg/kg]	<4	<0.50	<0.50	<0.50	<0.50
• Lead [mg/kg]	<90	<5.0	<5.0	<5.0	<5.0

The result of sample #1 implies that textiles treated/dyed/printed with any of the inks must be checked at least for heavy metals (Total content) when a certification according to OEKO-TEX® STANDARD 100 is intended for the treated textiles.

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatmen t Liquid DK
Heavy Metals OEKO-TEX® ECO PASSPORT Method 3			
Number of Tests		1	1
• Boron [mg/kg]	<1000	<5.0	<5.0
• Chromium total [mg/kg]	<100	<5.0	<5.0
• Manganese [mg/kg]	<500	7.8	<5.0
• Iron [mg/kg]	<2500	58	37
• Cobalt [mg/kg]	<200	<5.0	<5.0
• Nickel [mg/kg]	<200	<5.0	<5.0
• Copper [mg/kg]	<250	15	9.2
• Zinc [mg/kg]	<1500	26	20
• Arsenic [mg/kg]	<50	<5.0	<5.0
• Selenium [mg/kg]	<20	<5.0	<5.0
• Silver [mg/kg]	<100	<5.0	<5.0
• Cadmium [mg/kg]	<20	<5.0	<5.0
• Tin [mg/kg]	<250	<5.0	47
• Antimony [mg/kg]	<50	<5.0	<5.0
• Barium [mg/kg]	<100	<5.0	<5.0
• Mercury [mg/kg]	<4	<0.50	<0.50
• Lead [mg/kg]	<90	<5.0	<5.0

	ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Phenol OEKO-TEX® ECO PASSPORT Method 5.1 *					
Number of Tests		1	1	1	1
• Phenol [mg/kg]	<100	<0.05	<0.05	<0.05	<0.05

	ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatmen t Liquid DK
Phenol OEKO-TEX® ECO PASSPORT Method 5.1 *			
Number of Tests		1	1
• Phenol [mg/kg]	<100	<0.05	<0.05



TESTEX®

		ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Process Preservative Agents						
OEKO-TEX® ECO PASSPORT Method 18						
Number of Tests						
• CMC/CMK (4-Chloro-3-methylphenol)	[mg/kg]	<2500	1 <0.10	1 <0.10	1 <0.10	1 <0.10
• TCMTB (2-(Thiocyanomethylthio)benzothiazole)	[mg/kg]	<2500	<0.10	<0.10	<0.10	<0.10
• OIT (2-Octyl-2H-isothiazol-3-one)	[mg/kg]	<500	<0.10	<0.10	<0.10	<0.10
• OPP (Orthophenylphenol)	[mg/kg]	<2500	<0.10	<0.10	<0.10	<0.10

		ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
Process Preservative Agents				
OEKO-TEX® ECO PASSPORT Method 18				
Number of Tests				
• CMC/CMK (4-Chloro-3-methylphenol)	[mg/kg]	<2500	1 <0.10	1 <0.10
• TCMTB (2-(Thiocyanomethylthio)benzothiazole)	[mg/kg]	<2500	<0.10	<0.10
• OIT (2-Octyl-2H-isothiazol-3-one)	[mg/kg]	<500	<0.10	<0.10
• OPP (Orthophenylphenol)	[mg/kg]	<2500	<0.10	<0.10

		ECO PASSPORT threshold value	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Solvent Residues				
OEKO-TEX® ECO PASSPORT Method 14				
Number of Tests				
• Benzene	[mg/kg]	<10.0	2 <0.10	2 <0.10
• Formamide	[mg/kg]	<200	<20.0	<20.0
• Dimethylformamide (DMF)	[mg/kg]	<500	<20.0	<20.0
• N,N-dimethylacetamide (DMAc)	[mg/kg]	<500	<20.0	<20.0
• N-Methylpyrrolidone (NMP)	[mg/kg]	<500	<20.0	<20.0
• N-ethyl-2-pyrrolidone (NEP)	[mg/kg]	<1000	<20.0	<20.0



TESTEX®

ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
---------------------------------------	--	---	--	---

Surfactants, Wetting Agent Residues OEKO-TEX® ECO PASSPORT Method 15		ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#2 Category 2.10 Textile Ink DTF Magenta Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Number of Tests			1	1	1	1
• 4-tert-butylphenol	[mg/kg]		<2	<2	<2	<2
• Pentyphenol (PeP)	[mg/kg]		<2	<2	<2	<2
• Hexylphenol (HxP)	[mg/kg]		<2	<2	<2	<2
• Heptylphenol (HpP)	[mg/kg]		<2	<2	<2	<2
• Octylphenol (OP)	[mg/kg]		<2	<2	<2	<2
• Nonylphenol (NP)	[mg/kg]		<2	<2	<2	<2
• Sum AP	[mg/kg]	<50	<2.0	<2.0	<2.0	<2.0
• Octylphenoethoxylate (OPEO)	[mg/kg]		<2	<2	<2	<2
• Nonylphenoethoxylate (NPEO)	[mg/kg]		<2	<2	<2	<2
• Sum AP & APEO	[mg/kg]	<250	<2.0	<2.0	<2.0	<2.0

ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
---------------------------------------	---	--

Surfactants, Wetting Agent Residues OEKO-TEX® ECO PASSPORT Method 15		ECO PASSPORT threshold value	#5 Category 2.10 Textile Ink DTF White Ink	#6 Category 2.10 Textile Ink Pretreatment Liquid DK
Number of Tests			1	1
• 4-tert-butylphenol	[mg/kg]		<2	<2
• Pentyphenol (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]	<50	<2.0	<2.0
• Octylphenoethoxylate (OPEO)	[mg/kg]		<2	<2
• Nonylphenoethoxylate (NPEO)	[mg/kg]		<2	<2
• Sum AP & APEO	[mg/kg]	<250	<2.0	<2.0

ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
---------------------------------------	--	--	---

Chromium VI OEKO-TEX® ECO PASSPORT Method 3.3		ECO PASSPORT threshold value	#1 Category 2.10 Textile Ink DTF Cyan Ink	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
Number of Tests			2	1	1
• Chromium VI	[mg/kg]	<3.0	<0.5	<0.5	<0.5

	ECO PASSPORT threshold value	#3 Category 2.10 Textile Ink DTF Yellow Ink	#4 Category 2.10 Textile Ink DTF Black Ink
VOCs (Volatile Organic Compounds)			
OEKO-TEX® ECO PASSPORT Method 19 *			
Number of Tests		1	1
• Bis(2-methoxyethyl)ether	[mg/kg] <50	<1.0	<1.0
• 2-Ethoxyethanol	[mg/kg] <50	<1.0	<1.0
• 2-Ethoxyethylacetate	[mg/kg] <50	<1.0	<1.0
• Ethylene glycol dimethyl ether	[mg/kg] <50	<1.0	<1.0
• 2-Methoxyethanol	[mg/kg] <50	<1.0	<1.0
• 2-Methoxyethylacetate	[mg/kg] <50	<1.0	<1.0
• 2-Methoxypropylacetate	[mg/kg] <50	<1.0	<1.0
• Triethylene glycol dimethyl ether	[mg/kg] <50	<1.0	<1.0
• 1,1-Dichloroethane	[mg/kg] <10	<1.0	<1.0
• 1,2-Dichloroethane	[mg/kg] <5.0	<1.0	<1.0
• Dichloromethane	[mg/kg] <5.0	<1.0	<1.0
• Tetra(per)chloroethylene	[mg/kg] <5.0	<1.0	<1.0
• Trichloroethylene	[mg/kg] <10	<1.0	<1.0
• Benzene	[mg/kg] <10	<1.0	<1.0
• Xylene (all isomers)	[mg/kg] <100	<1.0	<1.0
• o-Cresol	[mg/kg] <100	<1.0	<1.0
• p-Cresol	[mg/kg] <100	<1.0	<1.0
• m-Cresol	[mg/kg] <100	<1.0	<1.0
• Chloroform	[mg/kg] <10	<1.0	<1.0
• Tetrachloromethane	[mg/kg] <10	<1.0	<1.0
• 1,1,1-Trichloroethane	[mg/kg] <10	<1.0	<1.0
• 1,1,2-Trichloroethane	[mg/kg] <10	<1.0	<1.0
• 1,1,1,2-Tetrachloroethane	[mg/kg] <10	<1.0	<1.0
• 1,1,2,2-Tetrachloroethane	[mg/kg] <10	<1.0	<1.0
• Pentachloroethane	[mg/kg] <10	<1.0	<1.0
• 1,1-Dichloroethylene	[mg/kg] <10	<1.0	<1.0
• 1,2-Dichloroethylene	[mg/kg] <10	<1.0	<1.0
• Methyl ethyl ketone	[mg/kg] <100	<1.0	<1.0
• Ethylbenzene	[mg/kg] <100	<1.0	<1.0
• Cyclohexanone	[mg/kg] <100	<1.0	<1.0
• 1,2,3-Trichloropropane	[mg/kg] <100	<1.0	<1.0
• Acetophenone	[mg/kg] <100	16	<1.0
• 2-Phenyl-2-propanol	[mg/kg] <100	<1.0	<1.0
• Styrene	[mg/kg] <100	<1.0	<1.0
• Toluene	[mg/kg] <100	<1.0	<1.0
• Sum of Chlorinated solvents	[mg/kg] <50	<1.0	<1.0
• 2-Methoxypropanol	[mg/kg] <50	<1.0	<1.0
• 1,2-Diethoxyethane	[mg/kg] <100	<1.0	<1.0

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. The testing period is defined as timeframe between receipt of samples and issue date of test report. 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, Accreditation And Notification

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

It is pointed out, that any alterations, amendments or falsifications of reports not authorized by the issuer of the report will be prosecuted as civil and criminal offences; this especially to the appropriate requirements of ZGB, OR, URG and StGB. Reports are protected under international copyright laws. Written consent of TESTEX is required for publications (also in excerpt) and reference to tests for public relation purposes. Reports may only be reproduced in full length.

End of Report