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E-mail in advance:

Zurich, 15.03.2017 / anha

TEST REPORT NO. ZH020 126643.16

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Test material: 1 sample trousers CO/PES dyed in storm blue, 403512J

SUBJECT OF ANALYSIS

By order and for account of the OEKO-TEX® Association, a product control related to the OEKO-TEX® Certificate 06.0.49011 was performed. We bought an article in a store (Bader.ch, Switzerland) on 03.02.2017. The sample mentioned was tested on the parameters of STANDARD 100 by OEKO-TEX®, product class II (articles with direct contact to skin).

RESULTS OF ANALYSIS

The results of the analysis we have carried out are summarized in the following tables.

SUMMARY

The analysed sample fulfils all tested parameters of STANDARD 100 by OEKO-TEX®/II.

Swiss Textile Testing Institute
TESTEX AG


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Ecology Team Leader



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Enclosures mentioned

A Copy of this report is sent to the Oeko-Tex® Association

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RE 126643.16



proven since 1846

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OVERVIEW

Please refer to overview table and table of result for failed samples.

p: tested and passed; X: tested and failed; d: done; ' ': not tested

	Sample No.									
	1									
Colour Fastness To Perspiration EN ISO 105-E04 OEKO-TEX® Method	p									
Colour Fastness To Rubbing EN ISO 105-X12 OEKO-TEX® Method	p									
Heavy Metals OEKO-TEX® Method 3.1 (Extract)	p									
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13	p									
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p									

No. 1: CO/PES trousers dyed in storm blue



Label



trousers



Label 1

TABLE OF RESULTS

#1
CO/PES
trousers
dyed in
storm blue

Surfactants, Wetting Agent Residues OEKO-TEX® Method 15		STANDARD 100 Product Class II Appendix 4	
No. of tests			1
• Octylphenol (OP)	[mg/kg]		<0.1
• Nonylphenol (NP)	[mg/kg]		<0.1
• Sum OP & NP	[mg/kg]	<10	<0.1
• Octylphenoethoxylate (OPEO)	[mg/kg]		<1.0
• Nonylphenoethoxylate (NPEO)	[mg/kg]		<1.0
• Sum OP, NP, OPEO & NPEO	[mg/kg]	<100	<1.0

#1
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Heavy Metals OEKO-TEX® Method 3.1 (Extract)		STANDARD 100 Product Class II Appendix 4	
No. of tests			1
• Antimony	[mg/kg]	<30	<0.01
• Arsenic	[mg/kg]	<1.0	<0.02
• Lead	[mg/kg]	<1.0	<0.02
• Cadmium	[mg/kg]	<0.10	<0.02
• Chromium total	[mg/kg]	<2.0	<0.02
• Cobalt	[mg/kg]	<4.0	<0.01
• Copper	[mg/kg]	<50	<0.20
• Nickel	[mg/kg]	<4.0	<0.10
• Mercury	[mg/kg]	<0.02	<0.01
• Selenium	[mg/kg]		<0.01
• Zinc	[mg/kg]		11



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#1

CO/PES

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Colour Fastness To Rubbing EN ISO 105-X12 OEKO-TEX® Method	STANDARD 100 Product Class II Appendix 4	
No. of tests		1
• Staining in dry condition [grade]	>=4	4-5

#1

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Colour Fastness To Perspiration EN ISO 105-E04 OEKO-TEX® Method	STANDARD 100 Product Class II Appendix 4	
No. of tests		1
• Fastness to acid solution		
• Change in colour (acid) [grade]		4-5
• Staining (acid) [grade]	>=3-4	4-5
• Fastness to alkaline solution		
• Change in colour (alkaline) [grade]		4-5
• Staining (alkaline) [grade]	>=3-4	4-5



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Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13		STANDARD 100 Product Class II Appendix 4	
No. of tests			1
• Naphthalene	[mg/kg]		0.034
• Acenaphthylene	[mg/kg]		<0.01
• Acenaphthene	[mg/kg]		<0.01
• Fluorene	[mg/kg]		<0.01
• Phenanthrene	[mg/kg]		<0.01
• Anthracene	[mg/kg]		<0.01
• Fluoranthene	[mg/kg]		<0.01
• Pyrene	[mg/kg]		<0.01
• 1-Methylpyrene	[mg/kg]		<0.01
• Cyclopenta[cd]pyrene	[mg/kg]		<0.01
• Benzo[a]anthracene	[mg/kg]	<1.0	<0.01
• Chrysene	[mg/kg]	<1.0	<0.01
• Benzo[b]fluoranthene	[mg/kg]	<1.0	<0.01
• Benzo[k]fluoranthene	[mg/kg]	<1.0	<0.01
• Benzo[j]fluoranthene	[mg/kg]	<1.0	<0.01
• Benzo[e]pyrene	[mg/kg]	<1.0	<0.01
• Benzo[a]pyrene	[mg/kg]	<1.0	<0.01
• Dibenzo[ah]anthracene	[mg/kg]	<1.0	<0.01
• Indeno[1,2,3-cd]pyrene	[mg/kg]		<0.01
• Benzo[ghi]perylene	[mg/kg]		<0.01
• Dibenzo[ae]pyrene	[mg/kg]		<0.01
• Dibenzo[al]pyrene	[mg/kg]		<0.01
• Dibenzo[ai]pyrene	[mg/kg]		<0.01
• Dibenzo[ah]pyrene	[mg/kg]		<0.01
• Sum	[mg/kg]	<10	0.034

Zurich, 15.03.2017