CENTROCOT
Innovation experience

Centro Tessile Cotoniero e Abbigliamento S.p.A.
Piazza S. Anna, 2 Busto Arsizio (VA)
Tel. 0331 696711 Fax 0331 680056
email info@centrocot.it web www.centrocot.it
C.F. e P.IVA 01724710122

ACCREDIA
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LAB N° 0033 L

Test Report 24TA00456

of 28/11/2024

Messrs
E. MIROGLIO EAD
Industrial District - P.O. Box 360
8800 SLIVEN - BG

Tests to verify compliance with ZDHC parameters

Receiving date	25/10/2024		
Receipt date	25/10/2024		
Starting date of sampling	24/10/2024	**Starting time of sampling**	09.00
End date of sampling	24/10/2024	**End time of sampling**	14.00
Description	Raw water		
Identification	Waste water_indirect discharge with pre-treatment		
Customer	E. MIROGLIO EAD		
Sampling collected by	Kolev Krasimir - ZDHC-A-23-E-C001068-R3366-1E695		
Project number	-		
Type of sampling	Composite(6 hours)		
Sampling location	Yambol Plant		
Sampling procedure	PG 22 rev.0		
Time of conservation	5 days		
Water flow rate	-		
Temperature at receivement	10°C		

Test began on 29/10/2024 **Test ended on** 28/11/2024

Limit values

ZDHC - Wastewater Guidelines 2.1 2022

Tests

80234 Water and industrial wastewater. MRSL parameters in accordance with Tables 1A-1T ZDHC Wastewater Guidelines Version 2.2 2024

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Alkylphenols *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*		-						
4-Nonylphenol *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
4-Nonylphenol (branched) *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
Nonylphenol NP *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
4-Octylphenol *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
Octylphenol *EPA3510C 1996 + UNI EN ISO 18857-1:2006 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
Alkylphenols Ethoxylates *UNI EN ISO 18857-2:2012*		-						
NPEO (1-20) *EPA3510C 1996 + UNI EN ISO 18857-2:2012 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
OPEO (1-20) *EPA3510C 1996 + UNI EN ISO 18857-2:2012 + OEKO-TEX® STD 201 M25*	*	< 1.0		µg/l		5		
Antimicrobials & Biocides *EPA 3510C 1996 + EPA 8270E 2018*		-						
Orthophenylphenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 2.5		ug/l		100		
Triclosan *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-29*	*	< 2.5		ug/l		100		
Permethrin (cis and trans) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP6-D*	*	< 5		ug/l		500		
Chloroparaffins *EPA 3510C 1996 + ISO 18219-1/2:2022*		-						
Medium Chain Chlorinated Paraffins (C14-C17) *EPA 3510C 1996 + ISO 18219-1/2:2022*	*	< 5		µg/l		500		
Short Chain Chlorinated Paraffins *EPA 3510C 1996 + ISO 18219-1/2:2022*	*	< 5		µg/l		25		
Chlorobenzenes and ChloroToluenes *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*		-						
2,3,4-Trichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,3,6-Trichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,3-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,4,5-Trichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,4,6-Trichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,4-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,5-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,6-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
2,3,4,5-Tetrachlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,3,4,6-Tetrachlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2,3,5,6-Tetrachlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
2-Chlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
3,4,5-Trichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
3,4-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
3,5-Dichlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
3-Chlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
4-Chlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
Pentachlorotoluene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2-dichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,3-dichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,4-dichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2,3-trichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2,4-trichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,3,5-trichlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2,3,4-tetrachlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2,3,5-tetrachlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
1,2,4,5-tetrachlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
Pentachlorobenzenes *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
Hexachlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
Chlorobenzene *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-2*	*	< 0.1		µg/l		0.2		
Chlorophenols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*		-						
2-chlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
3-chlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		

Result		Concentration	Uncertainty	UM	Limits Min	Limits Max	Min	Max
4-chlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
Sum of Monochlorophenols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,4-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,5-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,6-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
3,4-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
3,5-dichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
Sum of Dichlorophenols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,4-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,5-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,6-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,4,5-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,4,6-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
3,4,5-trichlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
Sum of Trichlorophenols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,4,5-tetrachlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,4,6-tetrachlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
2,3,5,6-tetrachlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
Sum of Tetrachlorophenols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
Pentachlorophenol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M-7*	*	< 0.5		µg/l		0.5		
N,N-di-methylformamide *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M26*		-						
Dimethylformamide *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M26*	*	7.76		ug/l		1000		
Dyes - Azo (Forming restricted amines) *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*		-						
2-naphthylamine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		

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2-naphthylammonium acetate *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4-xylidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4,5-trimethylaniline *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4,5-Trimethylaniline hydrochloride *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,6-xylidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
3,3'-dichlorobenzidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
o-dianisidine (3,3'-dimethoxybenzidine) *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
o-tolidine (3,3'-dimethylbenzidine) *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4-aminoazobenzene *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4-aminobiphenyl *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4-chloro-o-toluidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4-chloro-o-toluidine hydrochloride *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4-chloroaniline *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4-Diaminoanisole sulfate *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4-diaminoanisole *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2,4-toluenediamine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
3,3'-dichloro-4,4'-diaminodiphenylmethane *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
3,3'-dimethyl-4,4'-diaminodiphenylmethane *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4,4'-diaminodiphenylmethane *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4,4'-diaminodiphenyl ether *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
4,4'-diaminodiphenyl sulphide *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
2-amino-4-nitrotoluene *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
p-cresidine (2-methoxy-5-methylaniline) *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
benzidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
o-aminoazotoluene *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		

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o-anisidine (2-methoxyaniline) *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
o-toluidine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l		0.1		
Aniline *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l				
p-phenylendiamine *EPA 8270E:2018 (Cfr. ISO 14362-1:2017) + OEKO-TEX® STD M-3*	*	< 0.1		µg/l				
Dyes - Carcinogenic *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*		-						
Basic Green 4 (malachite green chloride) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Basic Green 4 (malachite green oxalate) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Basic Green 4 (malachite green) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Basic Blue 26 (C.I. 44045) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		ug/l		500		
Basic Red 9 (C.I. 42 500) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Basic Violet 3 (C.I. 42535) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Basic Violet 14 (C.I. 42 510) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Acid Violet 49 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		ug/l		500		
Acid Red 26 (C.I. 16 150) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Direct Black 38 (C.I. 30 235) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Direct Blue 6 (C.I. 22 610) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Direct Red 28 (C.I. 22 120) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Disperse Orange 11 (C.I. 60 700) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Disperse Blue 1 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Disperse Blue 3 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Blue Navy (component 1) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Blue Navy (component 2) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		500		
Dyes - Disperse *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*		-						
Disperse Orange 1 (C.I. 11 080) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Orange 3 (C.I. 11 005) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Disperse Orange 37/59/76 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 7 (C.I. 62 500) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 26 (C.I. 63 305) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 35 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 102 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 106 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Blue 124 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Yellow 1 (C.I. 10 345) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Yellow 3 (C.I. 11 855) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Yellow 9 (C.I. 10 375) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Yellow 39 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Yellow 49 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Brown 1 *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Red 1 (C.I. 11 110) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Red 11 (C.I. 62 015) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Disperse Red 17 (C.I. 11 210) *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		µg/l		50		
Flame retardants *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*		-						
2,2-bis(bromomethyl)-1,3-peopane-diol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Bis(2,3-dibromopropyl)phosphate (BIS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tetrabromo-bisphenol A (TBBPA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tris(1-chloro-2-propyl) phosphate (TCPP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tris(1-aziridinyl)phosphine oxide (TEPA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tris(1,3-dicloro-2-propil) phosphate (TDCP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tris(2-chloroethyl) phosphate (TCEP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tris(2,3-dibromopropyl)-phosphate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Polybromobiphenyls (PBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Monobromobiphenyls (MonoBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Dibromobiphenyls (DiBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Octabromobiphenyls (OctaBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Nonabromobiphenyls (NonaBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Decabromobiphenyl (DecaBB) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Monobromo diphenyl ethers (MonoBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tribromo diphenyl ethers (TriBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Tetrabromo diphenyl ethers (TetraBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Pentabromo diphenyl ether (pentaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Hexabromo diphenyl ethers (HexaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Heptabromo diphenyl ethers (HeptaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Octabromo diphenyl ethers (OctaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Nonabromobiphenylethers (NonaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Decabromobiphenylethers (DecaBDE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Hexabromocyclododecane (HBCDD) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Dibromopropyether *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M30*	*	< 0.5		µg/l		25		
Glycols *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*		-						
2-methoxyethanol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
2-ethoxyethanol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
2-ethoxyethyl acetate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
2-methoxyethyl acetate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
2-methoxypropyl acetate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
Bis(2-methoxyethyl)-ether *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
Ethylene glycol dimethyl ether *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Triethylene glycol dimethyl ether *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M31*	*	< 50		ug/l		50		
Organic-Tin Compounds *UNI EN ISO 17353:2006*		-						
Dipropyltin (DPT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Monobutyltin (MBT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Dibutyltin dichloride (DBTC) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tributyltin (TBT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tributyltin oxide (TBTO) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tetrabutyltin (TeBT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Monomethyltin (MMT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Dimethyltin (DMT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Trimethyltin (TMT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Monooctyltin (MOT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Dioctyltin (DOT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Trioctyltin (TOT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tetraoctyltin (TeOT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Monophenyltin (MPhT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Diphenyltin (DPhT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Triphenyltin (TPhT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tricyclohexyltin (TCHT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tripropyltin (TPT) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Tetraethyltin (TeET) *UNI EN ISO 17353:2006*	*	< 0.01		µg/l		0.01		
Perfluorinated and Polyfluorinated Chemicals (PFCs) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*		-						
Perfluorooctanoic acid (PFOA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l		0.01		
Perfluorononanoic acid (PFNA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l		0.01		
Perfluorobutanesulfonic acid (PFBS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l		0.01		

Result		Concentration	Uncertainty	UM		Limits Min	Max	Min	Max
Perfluorooctane sulfonates (PFOS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	0.14		µg/l	N		0.01		
Perfluorohexanesulfonic acid (PFHxS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorohexanoic acid (PFHxA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Heptafluorobutyric acid (PFBA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluoropentanoic acid (PFPeA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluoroheptanoic acid (PFHpA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorodecanoic acid (PFDA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Henicosafluoroundecanoic acid (PFUdA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorododecanoic acid (PFDoA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorotridecanoic acid (PFTrDA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Heptacosafluorotetradecanoic acid (PFTeA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluoroeptansulfonic acid (PFHpS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorodecansulfonic acid (PFDS) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluoro-3,7-dimethyloctanoic acid *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
7HPFHpA *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
4-H-perfluoro undecanoic acid (4HPFUnA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
1H,1H,2H,2H-PFOS *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
1H,1H,2H,2H-Perfluorohexan-1-ol (4:2 FTOH) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l			1		
1H,1H,2H,2H-Perfluorooctan-1-ol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l			1		
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l			1		
1H,1H,2H,2H-Perfluorododecan-1-ol *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l			1		
Perfluoro-1-octanesulfonyl fluoride (POSF) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
Perfluorooctanesulfonamide (PFOSA) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
N-Methyl perfluorooctanesulfonamide *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		
N-ethyl perfluorooctanesulfonamide *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l			0.01		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
N-methyl-FOSE alcohol (N-Me-FOSE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l		0.01		
N-ethyl-FOSE alcohol (N-Et-FOSE) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 0.01		µg/l		0.01		
1H,1H,2H,2H-perfluorooctyl acrylate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l		1		
1H,1H,2H,2H-perfluorodecyl acrylate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l		1		
1H,1H,2H,2H-perfluorododecyl acrylate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M22*	*	< 1		µg/l		1		
Phthalate *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*		-						
Di-cyclohexyl phtalate (DCHP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Diethyl phtalate (DEP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-octyl phtalate (DIOP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Dinonyl phtalate (DNP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-n-propyl phtalate (DPRP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Dibtuylphthalate (DBP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	2		µg/l		10		
Di-(2-ethylhexyl)-phthalate (DEHP or DOP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Butylbenzylphthalate (BBP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-nonylphtalate (DINP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-decylphthalate (DIDP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-n-octylphthalate (DNOP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-butylphthalate (DIBP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Bis-(2-methoxyethyl)-phthalate (DMEP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-heptylphthalate (DIHP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-C7-11-branched alkylphthalates (DHNUP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-n-hexylphthalate (DnHP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-n-pentylphtalate (DnPP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Di-iso-pentylphtalate (DIPP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		
Dipentylphthalate (DPP) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 M18*	*	< 1		µg/l		10		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Polycyclic aromatic hydrocarbons *APAT CNR IRSA 5080 Man.29 2003*	*	-						
1-methylpyrene *APAT CNR IRSA 5080 Man.29 2003*	*	< 0.01		µg/l		1		
Acenaphthene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Acenaphthylene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Anthracene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[a]anthracene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[a]pyrene (BaP) *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[b]fluoranthene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[e]pyrene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[g,h,i]perylene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[j]fluoranthene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Benzo[k]Fluoranthene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Chrysene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Dibenzo[a,h]anthracene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Phenanthrene *APAT CNR IRSA 5080 Man.29 2003*		0.04		µg/l		1		
Fluoranthene *APAT CNR IRSA 5080 Man.29 2003*		0.04		µg/l		1		
Fluorene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Indeno[1,2,3-cd]pyrene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Naphthalene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Pyrene *APAT CNR IRSA 5080 Man.29 2003*		< 0.01		µg/l		1		
Volatile Organic Compounds *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	-						
Benzene *ISO 11423-1:1997*	*	< 1		µg/l		1		
m-Cresol *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	1		µg/l		1		
o-Cresol *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	< 1		µg/l		1		
p-Cresol *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	1		µg/l		1		

Result		Concentration	Uncertainty	UM		Limits Min	Max	Min	Max
Xylene *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	< 1		µg/l			1		
Toluene *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	4.19		µg/l	N		1		
Halogenated Solvent *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*		-							
Dichloromethane *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	< 1		µg/l			1		
1,2-dichloroethane *ISO 11423-1:1997*	*	< 1		µg/l			1		
Trichloroethylene *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	< 1		µg/l			1		
Tetrachloroethylene *EPA 3510C 1996 + EPA 8260D 2018 + OEKO-TEX® STD 201 M31*	*	< 1		µg/l			1		
UV absorbers *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*		-							
UV 320 *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*	*	< 1		ug/l			100		
UV 327 *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*	*	< 1		ug/l			100		
UV 328 *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*	*	< 1		ug/l			100		
UV 350 *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*	*	< 1		ug/l			100		
Other/Miscellaneous Chemicals *EPA 3510C 1996 + EPA 8270E 2018*		-							
AEEA *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP37*	*	< 20		ug/l			500		
thiourea *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP36*	*	< 5		ug/l			50		
2,2-bis(4-hydroxyphenyl)propane (Bisphenol A) *EPA 3510C 1996 + EPA 8270E 2018 + OEKO-TEX® STD 201 MEP-18*	*	< 0.5		ug/l			10		
Quinoline *EPA 3510C 1996 + EPA 8321B 2007 + OEKO-TEX® STD M-4*	*	< 1		ug/l			50		

(*): no accredited by Accredia

Notes

Other substances detected:
- Tetrachloroethylene 0.30 ug/l
- Xylene 0.22 ug/l

Other VOC detected:
- Styrene 0.98 ug/l

The tests indicated by the symbol "*" do not fall within the ACCREDIA accreditation scope of the laboratory.
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The measurement uncertainty indicated corresponds to the expanded uncertainty with coverage factor k = 2 at a level of probability p = 95%.
When preceded by the symbol "<", the result refers to the lower limit of quantification of the method.
The recoveries guaranteed by the laboratory for tests that require extraction from the matrix and / or reduction in volume of the extracts are between 80% and 120%.
If present, opinions and observations do not fall within the ACCREDIA accreditation.
If the sample is not taken by technicians of Centro Tessile Cotoniero e abbigliamento S.p.A., the identification data inserted in the test report are provided by the customer under his own responsibility and the results can be found at sample as received.

Tests marked with the symbol "N" exceed the “Foundational limits” for ZDHC protocol
Simple acceptance - Associated risk level: see ILAC G8:09/2019

Issue date

28/11/2024

Area Manager - Chemical and Biological Safety Analysis Laboratories
dott.ssa Letizia Bregola

End of Test Report **24TA00456**

CENTROCOT
Innovation experience

Centro Tessile Cotoniero e Abbigliamento S.p.A.
Piazza S. Anna, 2 Busto Arsizio (VA)
Tel. 0331 696711 Fax 0331 680056
email info@centrocot.it web www.centrocot.it
C.F. e P.IVA 01724710122

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0033 L

Test Report 24TA00457

of 28/10/2024

Messrs
E. MIROGLIO EAD
Industrial District - P.O. Box 360
8800 SLIVEN - BG

Tests to verify compliance with ZDHC parameters

Receiving date	25/10/2024		
Receipt date	25/10/2024		
Starting date of sampling	24/10/2024	**Starting time of sampling**	09.00
End date of sampling	24/10/2024	**End time of sampling**	14.00
Description	Output water		
Identification	Waste water_indirect discharge with pre-treatment		
Customer	E. MIROGLIO EAD		
Sampling collected by	Kolev Krasimir - ZDHC-A-23-E-C001068-R3366-1E695		
Project number	-		
Type of sampling	Composite(6 hours)		
Sampling location	Yambol Plant		
Sampling procedure	PG 22 rev.0		
Time of conservation	5 days		
Water flow rate	-		
Temperature at receivement	10°C		

Test began on 29/10/2024 **Test ended on** 13/11/2024

Limit values

ZDHC - Wastewater Guidelines 2.1 2022

Tests

80233 Water and industrial wastewater. Conventional parameters, anions and metals in accordance with Tables 2-3 ZDHC Wastewater Guidelines Version 2.2 2024

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Metals *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		-						
Antimony *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0025		mg/l		0.1		
Silver *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l		0.1		
Arsenic *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0025		mg/l		0.05		
Cadmium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0025		mg/l		0.1		
Cobalt *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0025		mg/l		0.05		
Chromium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		0.13		mg/l		0.2		
Mercury *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0005		mg/l		0.01		
Nikel *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l		0.2		
Lead *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		< 0.0025		mg/l		0.1		
Copper *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		0.0070		mg/l		1		
Zinc *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		0.0130		mg/l		5		
Barium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0057		mg/l				
Selenium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0040		mg/l				
Boron *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.10		mg/l		0.1		
Tin *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l				
Chromium VI *UNI EN ISO 18412:2006*	*	< 0.05		mg/l		0.05		

(*): no accredited by Accredia

Notes

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Tests marked with the symbol "N" exceed the “Foundational limits” for ZDHC protocol
Simple acceptance - Associated risk level: see ILAC G8:09/2019

Issue date

28/10/2024

Area Manager - Chemical and Biological Safety Analysis Laboratories
dott.ssa Letizia Bregola

End of Test Report **24TA00457**

CENTROCOT
Innovation experience

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Piazza S. Anna, 2 Busto Arsizio (VA)
Tel. 0331 696711 Fax 0331 680056
email info@centrocot.it web www.centrocot.it
C.F. e P.IVA 01724710122

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0033 L

Test Report 24TA00458

of 28/11/2024

Messrs
E. MIROGLIO EAD
Industrial District - P.O. Box 360
8800 SLIVEN - BG

Tests to verify compliance with ZDHC parameters

Receiving date	25/10/2024		
Receipt date	25/10/2024		
Starting date of sampling	24/10/2024	**Starting time of sampling**	09.00
End date of sampling	24/10/2024	**End time of sampling**	14.00
Description	Sludge		
Identification	Sludge_indirect discharge with pre-treatment		
Customer	E. MIROGLIO EAD		
Sampling collected by	Kolev Krasimir - ZDHC-A-23-E-C001068-R3366-1E695		
Project number	-		
Type of sampling	Composite(6 hours)		
Sampling location	Yambol Plant		
Sampling procedure	PG 22 rev.0		
Time of conservation	5 days		
Water flow rate	-		

Test began on 29/10/2024 **Test ended on** 25/11/2024

Limit values

ZDHC - Wastewater Guidelines 2.1-2022 Tabelle 4A-4C

Tests

80235 Sludges. Specific parameters for sewage sludge in accordance with Tables 4A-4D ZDHC Wastewater Guidelines Version 2.1 2022

Result		Concentration	Uncertainty	UM		Limits Min	Max	Min	Max
Coliform *KIT Standard (Cfr. ISO 9308-3)*	*	193.5		MPN/g					
Cyanide *ISO 11262:2011 + US EPA 9014*	*	< 1		mg/kg s.s.			20		
Paint Filter Test *US EPA 9095B*	*	PASS							
pH *EPA SW 9045D*	*	8.3		Unità pH					
Tatal solid residue *US EPA 160.3*	*	20		%					
Antimony *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		3.1		mg/kg s.s.			5		
Silver *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*	*	< 0.5		mg/kg s.s.			50		
Arsenic *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		0.61		mg/kg s.s.			5		
Barium *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*	*	20.4		mg/kg s.s.					
Cadmium *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		0.53		mg/kg s.s.			1		
Cobalt *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		15.7		mg/kg s.s.			400		
Chromium *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		2605		mg/kg s.s.	N		50		
Mercury *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		< 0.1		mg/kg s.s.			1		
Nickel *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*	*	12.5		mg/kg s.s.			20		
Lead *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		4.0		mg/kg s.s.			5		
Copper *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		359		mg/kg s.s.	N		50		
Selenium *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*	*	1.7		mg/kg s.s.			5		
Zinc *UNI EN 13657:2004 + UNI EN ISO 17294-2:2016*		4153		mg/kg s.s.	N		400		
Hexavalent Chromium *CNR IRSA 16 Q.64 Vol.3 1986*		< 2		mg/kg s.s.			20		
Polycyclic Aromatic Hydrocarbons *EPA 3545A 2007 + EPA 8270E 2018*		-							
Acenaphthene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.			0.2		
Acenaphthylene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.			0.2		
Anthracene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.			0.2		
Benzo[a]anthracene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.			0.2		
Dibenzo[a,h]anthracene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.			0.2		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
Benzo[a]pyrene (BaP) *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Benzo[b]fluoranthene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Benzo[e]pyrene *EPA 3545A 2007 + EPA 8270E 2018*	*	< 0.01		mg/kg s.s.		0.2		
Benzo[g,h,i]perylene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Benzo[j]fluoranthene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Benzo[k]Fluoranthene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Chrysene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Phenanthrene *EPA 3545A 2007 + EPA 8270E 2018*		0.01		mg/kg s.s.		0.2		
Fluorene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Indeno[1,2,3-cd]pyrene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
1-methylpyrene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Naphthalene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Pyrene *EPA 3545A 2007 + EPA 8270E 2018*		0.02		mg/kg s.s.		0.2		
Fluoranthene *EPA 3545A 2007 + EPA 8270E 2018*		< 0.01		mg/kg s.s.		0.2		
Alkylphenols & Alkylphenols ethoxylated *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*		-						
4-Nonylphenol *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
4-Nonylphenol (branched) *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
4-Nonylphenol (branched) *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
4-octylphenol *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
Nonylphenol *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
NPEO (1-20) *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
Octylphenol *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
OPEO (1-20) *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M25*	*	< 0.4		mg/kg s.s.		0.4		
Chlorinated benzenes and toluenes *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	-						
2,4,6-Trichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		

Result		Concentration	Uncertainty	UM	Limits Min	Max	Min	Max
2-Chlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
3,4,5-Trichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
3-Chlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
4-Chlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3-Dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,4-Dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,5-dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,6-Dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
3,4-Dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
3,5-Dichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3,4-Trichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3,6-Trichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,4,5-Trichlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3,4,5-Tetrachlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3,5,6-Tetrachlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
2,3,4,6-Tetrachlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
Pentachlorotoluene *EPA 3550C 2007 + EPA 8270E 2018 + OEKO-TEX® STD 201 M2*	*	< 0.2		mg/kg s.s.		0.2		
Leachate *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	-						
Silver *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l				
Arsenic *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.008		mg/l				
Barium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0213		mg/l				
Antimony *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0166		mg/l				
Cadmium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l				
Chromium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		4.89		mg/l				
Cobalt *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0355		mg/l				

Result		Concentration	Uncertainty	UM	Limits Min	Limits Max	Limits Min	Limits Max
Nikel *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0209		mg/l				
Mercury *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0005		mg/l				
Lead *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	< 0.0025		mg/l				
Copper *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*		0.08		mg/l				
Selenium *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.0087		mg/l				
Zinc *UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016*	*	0.90		mg/l				

(*): no accredited by Accredia

Notes

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Tests marked with the symbol "N" exceed the “Foundational limits” for ZDHC protocol
Simple acceptance - Associated risk level: see ILAC G8:09/2019

Issue date

28/11/2024

Area Manager - Chemical and Biological Safety Analysis Laboratories
dott.ssa Letizia Bregola

End of Test Report **24TA00458**