

CENTROCOT
Innovation experience

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LAB N° 0033 L

Test Report

22TA00072/01

of **29/04/2022**

Messrs

E. MIROGLIO EAD

Industrial District - P.O. Box 360

8800 SLIVEN - BG

Test Report ZDHC

Receiving date	13/04/2022	Receipt date	13/04/2022	Date and Time of sampling	12/04/2022 13.30
Description	Raw waste water				
Identification	Waste water				
Customer	E. MIROGLIO EAD				
Sampling collected by	certificated bulgarian lab				
Sampling location	E. Miroglia EAD - Yambol Plant, Bulgaria				
Sampling procedure	customer's responsibility				
Test began on	13/04/2022	Test ended on	29/04/2022		

Limit values

ZDHC - Wastewater Guidelines 2019 Tabelle 1A-1B

ZDHC - Wastewater Guidelines 2019 Tabelle 2A-2N-1B

Tests

- | | |
|-------|--|
| 80233 | Water and industrial wastewater. Conventional parameters ZDHC in accordance with Appendix A, Tables 1A and 1B Wastewater Guidelines Version 1.1 - 2019 |
| 80234 | Water and industrial wastewater. MRSL parameters ZDHC in accordance with Appendix A, Tables 2A-2N Wastewater Guidelines Version 1.1 - 2019 |



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Antimony		0.0180		mg/l		0.1		
UNI EN ISO 11885:2009								
Chromium		0.50		mg/l	N	0.2		
UNI EN ISO 11885:2009								
Cobalt		< 0.0025		mg/l		0.05		
UNI EN ISO 11885:2009								
Copper		0.0320		mg/l		1		
UNI EN ISO 11885:2009								
Nikel	*	< 0.0025		mg/l		0.2		
UNI EN ISO 11885:2009								
Silver	*	< 0.0025		mg/l		0.1		
UNI EN ISO 11885:2009								
Zinc		0.40		mg/l		5		
UNI EN ISO 11885:2009								
Arsenic		< 0.0025		mg/l		0.05		
UNI EN ISO 11885:2009								
Cadmium		< 0.0025		mg/l		0.1		
UNI EN ISO 11885:2009								
Chromium VI	*	< 0.001		mg/l		0.05		
APAT CNR IRSA 3150C Man 29 2003								
Lead		0.0085		mg/l		0.1		
UNI EN ISO 11885:2009								
Mercury		< 0.0005		mg/l		0.01		
UNI EN ISO 11885:2009								
Alkylphenol		-						
UNI EN ISO 18857-2:2012								
4-Nonylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
4-Nonylphenol (branched)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
4-Octylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Nonylphenol NP	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Octylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Alkylphenol Ethoxylates		-						
UNI EN ISO 18857-2:2012								
NPEO (1-20)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
OPEO (1-20)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Chlorobenzenes and ChloroToluenes	*	-						
EPA 3510C 1996 + EPA 8270E 2018								
2,3,4-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,3,6-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,3-Dichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								



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					Min	Max	Min	Max
2,4,5-Trichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4,6-Trichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4-Dichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,5-Dichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,6-Dichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,5-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,6-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5,6-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-Chlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4,5-Trichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4-Dichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,5-Dichlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3-Chlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
4-Chlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Pentachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,3,5-trichlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,2,3,4-tetrachlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,2,3,5-tetrachlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,2,4,5-tetrachlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Pentachlorobenzenes	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Hexachlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Chlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,2-dichlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,3-dichlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,4-dichlorobenzene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
1,2,3-trichlorobenzene	*	< 0,1		µg/l		0,2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
1,2,4-trichlorobenzene	*	< 0,1		µg/l		0,2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Chlorophenols	*	-						
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-chlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3-chlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
4-chlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,5-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,6-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,5-dichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,6-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4,5-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4,6-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4,5-trichlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,5-tetrachlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,6-tetrachlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5,6-tetrachlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Pentachlorophenol	*	< 0,5		µg/l		0,5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dyes - Azo (Forming restricted amines)		-						
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4-aminobiphenyl	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
benzidine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
4-chloro-o-toluidine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2-naphthylamine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
o-aminoazotoluene	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2-amino-4-nitrotoluene	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
4-chloroaniline	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2,4-diaminoanisole	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
4,4'-diaminodiphenylmethane	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
3,3'-dichlorobenzidine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
o-dianisidine (3,3'-dimethoxybenzidine)	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
o-tolidine (3,3'-dimethylbenzidine)	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
3,3'-dimethyl-4,4'-diaminodiphenylmethane	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
p-cresidine (2-methoxy-5-methylaniline)	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
3,3'-dichloro-4,4'-diaminodiphenylmethane	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
4,4'-diaminodiphenyl ether	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
4,4'-diaminodiphenyl sulphide	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
o-toluidine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2,4-toluenediamine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2,4,5-trimethylaniline	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
o-anisidine (2-methoxyaniline)	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
4-aminoazobenzene	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2,4-xylydine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
2,6-xylydine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
Aniline	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
p-phenylenediamine	*	< 0.1		µg/l		0.1		
EPA 8270E 2018 (Rif. ISO 14362-1:2017)								
Dyes - Carcinogenic		-						
EPA 3510C 1996 + EPA 8321B 2007								



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Basic Green 4 (malachite green chloride)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Green 4 (malachite green oxalate)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Green 4 (malachite green)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 1	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 3	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 11	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Acid Red 26 (C.I. 16 150)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Blue 26 (C.I. 44045)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Red 9 (C.I. 42 500)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Violet 14 (C.I. 42 510)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Black 38 (C.I. 30 235)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Blue 6 (C.I. 22 610)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Red 28 (C.I. 22 120)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Violet 3 (C.I. 42535)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 11 (C.I. 60 700)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Acid Red 114 (C.I. 23635)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Solvent Yellow 2	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Solvent Yellow 3 (o-aminoazotoluene)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Dyes - Disperse		-						
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 1 (C.I. 11 080)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 23 (C.I. 26 070)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 3 (C.I. 11 005)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 37/59/76	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 102	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 106	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								



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					Min	Max	Min	Max
Disperse Blue 3 (C.I. 61 505)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 1 (C.I. 64 500)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 124	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 26 (C.I. 63 305)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 35	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 1 (C.I. 10 345)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 7 (C.I. 62 500)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 3 (C.I. 11 855)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 39	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 49	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 9 (C.I. 10 375)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Brown 1	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 149	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 1 (C.I. 11 110)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 11 (C.I. 62 015)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 17 (C.I. 11 210)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Flame retardants		-						
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
2,2-bis(bromomethyl)-1,3-propane-diol (BBMP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Bis(2,3-dibromopropyl)phosphate (BIS)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Polybromobiphenyls (PBB)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Pentabromo diphenyl ether (pentaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1-aziridinyl)phosphine oxide (TEPA)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Octabromo diphenyl ethers (OctaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Decabromobiphenylethers (DecaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1-chloro-2-propyl) phosphate (TCPP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								



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					Min	Max	Min	Max
Tris(2-chloroethyl) phosphate (TCEP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Hexabromocyclododecane (HBCDD)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tetrabromo-bisphenol A (TBBPA)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(2,3-dibromopropyl)-phosphate	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1,3-dicloro-2-propil) phosphate (TDCPP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Short-chain chlorinated Paraffins (SCCP) (C10-C13)	*	< 0.5		µg/l		5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Glycols		-						
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxyethanol	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-ethoxyethanol	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-ethoxyethyl acetate	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxyethyl acetate	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxypropyl acetate	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Bis(2-methoxyethyl)-ether	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Ethylene glycol dimethyl ether	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Triethylene glycol dimethyl ether	*	< 50		ug/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Organo-Tin Compounds		-						
<i>UNI EN ISO 17353:2006</i>								
Monophenyltin (MPHT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Trimethyltin (TMT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Trioctyltin (TOT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Monobutyltin (MBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Dibutyltin (DBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Tributyltin (TBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Triphenyltin (TPHT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Tetrabutyltin (TeBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Diocetyltn (DOT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Monooctyltin (MOT) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Tricyclohexyltin (TCHT) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Tripropyltin (TPT) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Diphenyltin (DPHT) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Monomethyltin (MMT) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Tetraethyltin (TeET) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Dibutyltin dichloride (DBTC) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
Tributyltin oxide (TBTO) <i>UNI EN ISO 17353:2006</i>	*	< 0,01		µg/l		0,01		
PFCs <i>EPA/600/R-08/092 METHOD 537</i>		-						
Perfluorononanoic acid (PFNA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorooctanoic acid (PFOA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorohexanesulfonic acid (PFHxS) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Heptafluorobutyric acid (PFBA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorobutanesulfonic acid (PFBS) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluoropentanoic acid (PFPeA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorooctane sulfonates (PFOS) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluoroheptanoic acid (PFHpA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorodecanoic acid (PFDA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorohexanoic acid (PFHxA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Henicosafuoroundecanoic acid (PFUdA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
4-H-perfluoro undecanoic acid (4HPFUnA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorododecanoic acid (PFDoA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
1H,1H,2H,2H-PFOS <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Perfluorotridecanoic acid (PFTrDA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		
Heptacosafuorotetradecanoic acid (PFTeA) <i>EPA/600/R-08/092 METHOD 537</i>	*	< 0,01		µg/l		0,01		

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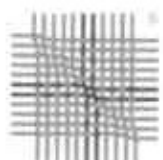
Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Perfluoroheptansulfonic acid (PFHpS)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluorodecansulfonic acid (PFDS)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
7HPFHpA	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorododecan-1-ol (10:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorooctan-1-ol (6:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorohexan-1-ol (4:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorooctyl acrylate (6:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorododecyl acrylate (10:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorodecyl acrylate (8:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-ethyl perfluorooctanesulfonamide (N-Et-FOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-ethyl-FOSE alcohol (N-Et-FOSE)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-Methyl perfluorooctanesulfonamide (N-Me-FOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-methyl-FOSE alcohol (N-Me-FOSE)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluorooctanesulfonamide (PFOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluoro-1-octanesulfonyl fluoride (POSF)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Phthalate		-						
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-cyclohexyl phthalate (DCHP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Diethyl phthalate (DEP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-octyl phthalate (DIOP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dinonyl phthalate (DNP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-n-propyl phthalate (DPRP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dibutylphthalate (DBP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-(2-ethylhexyl)-phthalate (DEHP or DOP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								

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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Butylbenzylphthalate (BBP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-hexylphthalate (DIHxP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-nonylphthalate (DINP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-n-pentylphthalate (DnPP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-pentylphthalate (DIPP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-decylphthalate (DIDP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-n-octylphthalate (DNOP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-butylphthalate (DIBP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Bis-(2-methoxyethyl)-phthalate (DMEP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-iso-heptylphthalate (DIHP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-C7-11-branched alkylphthalates (DHNUP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Di-n-hexylphthalate (DHP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
N-pentyl-iso-pentylphthalate <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Dipentylphthalate (DPP) <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1		µg/l		10		
Polycyclic aromatic hydrocarbons <i>APAT CNR IRS 5080 Man.29 2003</i>		-						
Acenaphthene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
1-methylpyrene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Acenaphthylene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Anthracene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[a]anthracene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[a]pyrene (BaP) <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[b]fluoranthene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[e]pyrene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[g,h,i]perylene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		
Benzo[j]fluoranthene <i>APAT CNR IRS 5080 Man.29 2003</i>		< 0.01		µg/l		1		

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Result	Concentration	Uncertainty	UM	Limits			
				Min	Max	Min	Max
Benzo[k]Fluoranthene <i>APAT CNR IRSA 5080 Man.29 2003</i>	< 0.01		µg/l		1		
Chrysene <i>APAT CNR IRSA 5080 Man.29 2003</i>	< 0.01		µg/l		1		
Dibenzo[a,h]anthracene <i>APAT CNR IRSA 5080 Man.29 2003</i>	< 0.01		µg/l		1		
Phenanthrene <i>APAT CNR IRSA 5080 Man.29 2003</i>	0.05		µg/l		1		
Fluoranthene <i>APAT CNR IRSA 5080 Man.29 2003</i>	0.03		µg/l		1		
Fluorene <i>APAT CNR IRSA 5080 Man.29 2003</i>	< 0.01		µg/l		1		
Indeno[1,2,3-cd]pyrene <i>APAT CNR IRSA 5080 Man.29 2003</i>	< 0.01		µg/l		1		
Naphthalene <i>APAT CNR IRSA 5080 Man.29 2003</i>	0.08		µg/l		1		
Pyrene <i>APAT CNR IRSA 5080 Man.29 2003</i>	0.03		µg/l		1		
Volatile Organic Compounds <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	-					
Benzene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Xylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
m-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
o-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
p-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
Dichloromethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Carbon Tetrachloride <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,1,2-trichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,1-dichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,2-dichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Trichloroethylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Tetrachloroethylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	2	µg/l	N	1		

(*): no accredited by Accredia



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Notes

The tests indicated by the symbol "*" do not fall within the ACCREDIA accreditation scope of the laboratory.

If carried out by the laboratory, the sampling is conducted with a method not falling within the scope of accreditation ACCREDIA of the Laboratory.

The analytical results are not corrected by the laboratory for the recovery factor, even if 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%.

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.

If present, opinions and observations do not fall within the ACCREDIA accreditation.

If the sample is not taken by technicians of Centro Tessile Cottoniero 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 accepted limits for ZDHC Standard.

Simple acceptance - Associated risk level; see ILAC G8.09/2019

Issue date

29/04/2022

**Chemical Ecological and Environmental
Testing Area Manager**
dott.ssa Letizia Bregola

End of Test Report 22TA00072/01



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Piazza S. Anna, 2 - Fusto Anzico (VA)
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email: info@centrocot.it - web: www.centrocot.it
C.F. e P.IVA: 01724710122



LAB N° 0033 L

Test Report

22TA00072

of **28/04/2022**

Messrs

E. MIROGLIO EAD

Industrial District - P.O. Box 360
8800 SLIVEN - BG

Test Report ZDHC

Receiving date 13/04/2022 **Receipt date** 13/04/2022 **Date and Time of sampling** 12/04/2022 08.00
Description Waste water - discharge
Identification Waste water
Customer E. MIROGLIO EAD
Sampling collected by Certificated bulgarian lab
Sampling location E. Miroglia EAD - Yambol Plant, Bulgaria
Sampling procedure Applicato da Cliente
Test began on 13/04/2022 **Test ended on** 28/04/2022

Limit values

ZDHC - Wastewater Guidelines 2019 Tabelle 1A-1B

ZDHC - Wastewater Guidelines 2019 Tabelle 2A-2N-1B

Tests

- 80233 Water and industrial wastewater, Conventional parameters ZDHC in accordance with Appendix A, Tables 1A and 1B Wastewater Guidelines Version 1.1 - 2019
- 80234 Water and industrial wastewater, MRSL parameters ZDHC in accordance with Appendix A, Tables 2A-2N Wastewater Guidelines Version 1.1 - 2019



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Result			Concentration	Uncertainty	UM	Limits			
						Min	Max	Min	Max
AOX	*		0,08		mg/l		5		
UNI EN ISO 9562:2004									
Total nitrogen	*		26,3		mg/l	N	20		
APAT CNR IRSA 4060 Man. 29 2003									
Ammonium-N			1,4		mg/l		10		
APAT CNR IRSA 4030A2 Man. 29 2003									
Biochemical oxygen demand (BOD5)	*		30		mg/l		30		
APHA Standard Methods for the examination of water and wastewater, ed 23rd 2017 5210D									
Cyanide	*		< 0,01		mg/l		0,2		
ISO 6703-1,2,3 1984									
Chemical oxygen demand			97		mg/l		150		
ISO 15705:2002									
Coliform	*		97,5		UFC/100ml		400		
APAT CNR IRSA 7010/C Man. 29 2003									
Color - 436 nm	*		6,2		m-1		7		
ISO 7887:2001 Method B									
Color - 525 nm	*		3,8		m-1		5		
ISO 7887:2001 Method B									
Color - 620 nm	*		2,7		m-1		3		
ISO 7887:2001 Method B									
Phenol	*		< 0,001		mg/l		0,5		
APAT CNR IRSA 5070A2 Man. 29 2003									
Total phosphorus			2,1		mg/l		3		
APAT CNR IRSA 4110 A2 Man. 29 2003									
Oil and Grease			0,4		mg/l		10		
UNI EN ISO 9377-2:2002									
pH			7,7		Unità pH	6	9		
UNI EN ISO 10523:2012									
Persistent Foam	*		Assenti						
N/A									
Sulfite	*		0,7		mg/l		2		
APAT CNR IRSA 4150 A Man. 29 2003									
Sulfide			0,02		mg/l		0,5		
APHA Standard Methods for Water ed 22nd 2012 4500 D									
Temperature	*		12		°C				
APAT CNR IRSA 2100 Man. 29 2003									
Total Suspended Solids			14		mg/l		50		
ISO 11923:1997									
Antimony			< 0,0025		mg/l		0,1		
UNI EN ISO 11885:2009									
Silver	*		< 0,0025		mg/l		0,1		
UNI EN ISO 11885:2009									
Arsenic			< 0,0025		mg/l		0,05		
UNI EN ISO 11885:2009									
Cadmium			< 0,0025		mg/l		0,1		
UNI EN ISO 11885:2009									
Cobalt			< 0,0025		mg/l		0,05		
UNI EN ISO 11885:2009									
Chromium			0,16		mg/l		0,2		
UNI EN ISO 11885:2009									

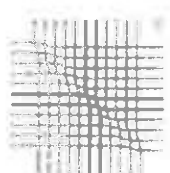


CENTROCOT
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LAB N° 0033 I

Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Mercury		< 0.0005		mg/l		0.01		
UNI EN ISO 11885:2009								
Nikel	*	< 0.0025		mg/l		0.2		
UNI EN ISO 11885:2009								
Chromium VI	*	< 0.001		mg/l		0.05		
APAT CNR IRSA 3150C Man 29 2003								
Copper		< 0.0025		mg/l		1		
UNI EN ISO 11885:2009								
Lead		< 0.0025		mg/l		0.1		
UNI EN ISO 11885:2009								
Zinc		0.09		mg/l		5		
UNI EN ISO 11885:2009								
Alkylphenol		-						
UNI EN ISO 18857-2:2012								
4-Nonylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
4-Nonylphenol (branched)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
4-Octylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Nonylphenol NP	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Octylphenol	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Alkylphenol Ethoxylates		-						
UNI EN ISO 18857-2:2012								
NPEO (1-20)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
OPEO (1-20)	*	< 1.0		µg/l		5		
UNI EN ISO 18857-2:2012								
Chlorobenzenes and ChloroToluenes	*	-						
EPA 3510C 1996 + EPA 8270E 2018								
2,3,4-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,3,6-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,3-Dichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,4,5-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,4,6-Trichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,4-Dichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,5-Dichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,6-Dichlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								
2,3,4,5-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
EPA 3510C 1996 + EPA 8270E 2018								

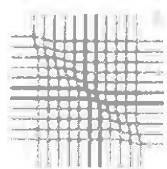


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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
2,3,4,6-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5,6-Tetrachlorotoluene	*	< 0.1		µg/l		0.2		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>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



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Sum of Monochlorophenols	*	< 0.5		µg/l				
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,5-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,6-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,5-dichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Sum of Dichlorophenols	*	< 0.5		µg/l				
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,6-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4,5-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,4,6-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
3,4,5-trichlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Sum of Trichlorophenols	*	< 0.5		µg/l				
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,5-tetrachlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,4,6-tetrachlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2,3,5,6-tetrachlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Sum of Tetrachlorophenols	*	< 0.5		µg/l				
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Pentachlorophenol	*	< 0.5		µg/l		0.5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dyes - Azo (Forming restricted amines)		-						
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4-aminobiphenyl	*	< 0.1		µg/l		0.1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
benzidine	*	< 0.1		µg/l		0.1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4-chloro-o-toluidine	*	< 0.1		µg/l		0.1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2-naphthylamine	*	< 0.1		µg/l		0.1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								



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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
o-aminoazotoluene	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2-amino-4-nitrotoluene	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4-chloroaniline	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2,4-diaminoanisole	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4,4'-diaminodiphenylmethane	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
3,3'-dichlorobenzidine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
o-dianisidine (3,3'-dimethoxybenzidine)	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
o-tolidine (3,3'-dimethylbenzidine)	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
3,3'-dimethyl-4,4'-diaminodiphenylmethane	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
p-cresidine (2-methoxy-5-methylaniline)	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
3,3'-dichloro-4,4'-diaminodiphenylmethane	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4,4'-diaminodiphenyl ether	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4,4'-diaminodiphenyl sulphide	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
o-toluidine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2,4-toluenediamine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2,4,5-trimethylaniline	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
o-anisidine (2-methoxyaniline)	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
4-aminoazobenzene	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2,4-xylidine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
2,6-xylidine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
Aniline	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
p-phenylenediamine	*	< 0,1		µg/l		0,1		
<i>EPA 8270E 2018 (Rif. ISO 14362-1:2017)</i>								
Dyes - Carcinogenic		-						
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Green 4 (malachite green chloride)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Green 4 (malachite green oxalate)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								

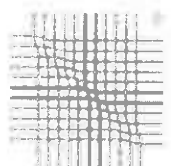


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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Basic Green 4 (malachite green)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 1	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 3	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 11	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Acid Red 26 (C.I. 16 150)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Blue 26 (C.I. 44045)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Red 9 (C.I. 42 500)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Violet 14 (C.I. 42 510)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Black 38 (C.I. 30 235)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Blue 6 (C.I. 22 610)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Direct Red 28 (C.I. 22 120)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Basic Violet 3 (C.I. 42535)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 11 (C.I. 60 700)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Acid Red 114 (C.I. 23635)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Solvent Yellow 2	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Solvent Yellow 3 (o-aminoazotoluene)	*	< 1		µg/l		500		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Dyes - Disperse		-						
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 1 (C.I. 11 080)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 23 (C.I. 26 070)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 3 (C.I. 11 005)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 37/59/76	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 102	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 106	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 1 (C.I. 64 500)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 3 (C.I. 61 505)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								

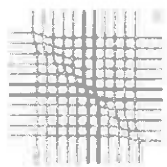


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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Disperse Blue 124	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 26 (C.I. 63 305)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 35	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 1 (C.I. 10 345)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Blue 7 (C.I. 62 500)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 3 (C.I. 11 855)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 39	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 49	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Yellow 9 (C.I. 10 375)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Brown 1	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Orange 149	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 1 (C.I. 11 110)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 11 (C.I. 62 015)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Disperse Red 17 (C.I. 11 210)	*	< 1		µg/l		50		
<i>EPA 3510C 1996 + EPA 8321B 2007</i>								
Flame retardants		-						
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
2,2-bis(bromomethyl)-1,3-propane-diol (BBMP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Bis(2,3-dibromopropyl)phosphate (BIS)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Polybromobiphenyls (PBB)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Pentabromo diphenyl ether (pentaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1-aziridinyl)phosphine oxide (TEPA)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Octabromo diphenyl ethers (OctaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Decabromobiphenylethers (DecaBDE)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1-chloro-2-propyl) phosphate (TCPP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(2-chloroethyl) phosphate (TCEP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Hexabromocyclododecane (HBCDD)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								

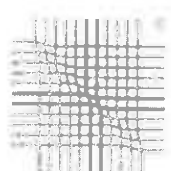


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Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Tetrabromo-bisphenol A (TBBPA)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(2,3-dibromopropyl)-phosphate	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Tris(1,3-dicloro-2-propil) phosphate (TDCPP)	*	< 0.5		µg/l		5		
<i>Metodo Interno (Rif. UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2)</i>								
Short-chain chlorinated Paraffins (SCCP) (C10-C13)	*	< 0.5		µg/l		5		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Glycols		-						
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxyethanol	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-ethoxyethanol	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-ethoxyethyl acetate	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxyethyl acetate	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
2-methoxypropyl acetate	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Bis(2-methoxyethyl)-ether	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Ethylene glycol dimethyl ether	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Triethylene glycol dimethyl ether	*	< 50		µg/l		50		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Organo-Tin Compounds		-						
<i>UNI EN ISO 17353:2006</i>								
Monophenyltin (MPhT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Trimethyltin (TMT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Trioctyltin (TOT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Monobutyltin (MBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Dibutyltin (DBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Tributyltin (TBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Triphenyltin (TPhT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Tetrabutyltin (TeBT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Diocetyltn (DOT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Monooctyltin (MOT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								
Tricyclohexyltin (TCHT)	*	< 0.01		µg/l		0.01		
<i>UNI EN ISO 17353:2006</i>								

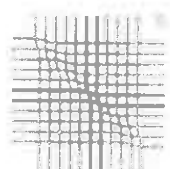


CENTROCOT
innovation experience



LAB N° 0033 I

Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Tripropyltin (TPT)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
Diphenyltin (DPHt)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
Dibutyltin dichloride (DBTC)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
Monomethyltin (MMT)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
Tetraethyltin (TeET)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
Tributyltin oxide (TBTO)	*	< 0.01		µg/l		0.01		
UNI EN ISO 17353:2006								
PFCs		-						
EPA/600/R-08/092 METHOD 537								
Perfluorononanoic acid (PFNA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorooctanoic acid (PFOA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorohexanesulfonic acid (PFHxS)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Heptafluorobutyric acid (PFBA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorobutanesulfonic acid (PFBS)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluoropentanoic acid (PFPeA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorooctane sulfonates (PFOS)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluoroheptanoic acid (PFHpA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorodecanoic acid (PFDA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorohexanoic acid (PFHxA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Henicosafuoroundecanoic acid (PFUdA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
4-H-perfluoro undecanoic acid (4HPFUnA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorododecanoic acid (PFDoA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
1H,1H,2H,2H-PFOS	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorotridecanoic acid (PFTTrDA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Heptacosafuorotetradecanoic acid (PFTeA)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluoroheptansulfonic acid (PFHpS)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								
Perfluorodecansulfonic acid (PFDS)	*	< 0.01		µg/l		0.01		
EPA/600/R-08/092 METHOD 537								



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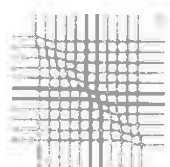


LAB N° 0033 I

Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
7HPFHpA	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorododecan-1-ol (10:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorooctan-1-ol (6:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-Perfluorohexan-1-ol (4:2 FTOH)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorooctyl acrylate (6:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorododecyl acrylate (10:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
1H,1H,2H,2H-perfluorodecyl acrylate (8:2 FTA)	*	< 1		µg/l		1		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluorooctanesulfonamide (PFOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Perfluoro-1-octanesulfonyl fluoride (POSF)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-ethyl perfluorooctanesulfonamide (N-Et-FOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-ethyl-FOSE alcohol (N-Et-FOSE)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-Methyl perfluorooctanesulfonamide (N-Me-FOSA)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
N-methyl-FOSE alcohol (N-Me-FOSE)	*	< 0,01		µg/l		0,01		
<i>EPA/600/R-08/092 METHOD 537</i>								
Phthalate		-						
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-cyclohexyl phthalate (DCHP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Diethyl phthalate (DEP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-octyl phthalate (DIOP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dinonyl phthalate (DNP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-n-propyl phthalate (DPRP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dibutylphthalate (DBP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-(2-ethylhexyl)-phthalate (DEHP or DOP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Butylbenzylphthalate (BBP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-hexylphthalate (DIHxP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								



Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Di-iso-nonylphthalate (DINP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-n-pentylphthalate (DnPP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-pentylphthalate (DIPP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-decylphthalate (DIDP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-n-octylphthalate (DNOP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-butylphthalate (DIBP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Bis-(2-methoxyethyl)-phthalate (DMEP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-iso-heptylphthalate (DIHP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-C7-11-branched alkylphthalates (DHNUP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Di-n-hexylphthalate (DHP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
N-pentyl-iso-pentylphthalate	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Dipentylphthalate (DPP)	*	< 1		µg/l		10		
<i>EPA 3510C 1996 + EPA 8270E 2018</i>								
Polycyclic aromatic hydrocarbons		-						
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Acenaphthene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
1-methylpyrene	*	< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Acenaphthylene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Anthracene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[a]anthracene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[a]pyrene (BaP)		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[b]fluoranthene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[e]pyrene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[g,h,i]perylene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[j]fluoranthene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Benzo[k]Fluoranthene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								
Chrysene		< 0.01		µg/l		1		
<i>APAT CNR IRSA 5080 Man 29 2003</i>								



CENTROCOT
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LAB N° 0033 I

Result	Concentration	Uncertainty	UM	Limits			
				Min	Max	Min	Max
Dibenzo[a,h]anthracene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Phenanthrene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Fluoranthene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Fluorene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Indeno[1,2,3-cd]pyrene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Naphthalene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Pyrene <i>APAT CNR IRSA 5080 Mar. 29 2003</i>	< 0.01		µg/l		1		
Volatile Organic Compounds <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	-					
Benzene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Xylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
m-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
o-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
p-Cresol <i>EPA 3510C 1996 + EPA 8270E 2018</i>	*	< 1	µg/l		1		
Dichloromethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	11.4	µg/l	N	1		
Carbon Tetrachloride <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,1,2-trichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,1-dichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
1,2-dichloroethane <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Trichloroethylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		
Tetrachloroethylene <i>EPA 5021A 2014 + EPA 8260D 2018</i>	*	< 1	µg/l		1		

(*) no accredited by Accredia



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LAB N° 0033 I

Notes

The tests indicated by the symbol "*" do not fall within the ACCREDIA accreditation scope of the laboratory.
If carried out by the laboratory, the sampling is conducted with a method not falling within the scope of accreditation
ACCREDIA of the Laboratory.

The analytical results are not corrected by the laboratory for the recovery factor, even if the recoveries guaranteed by the laboratory f
or tests that require extraction from the matrix and / or reduction in volume of the extracts are between 80% and 120%.

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.

If present, opinions and observations do not fall within the ACCREDIA accreditation.

If the sample is not taken by technicians of Centro Tessile Cottoniero 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 accepted limits for STeP Standard.

Simple acceptance - Associated risk level: see ILAC G8:09/2019

Issue date

28/04/2022

**Chemical Ecological and Environmental
Testing Area Manager**
dott.ssa Letizia Bregola

End of Test Report **22TA00072**



CENTROCOT
innovation experience

Centro Tessile Cottoniero e Abbigliamento S.p.A.
Piazza S. Anna, 2 - Busto Arsizio (VA)
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C.F. e P.IVA: 01724710122



LAB N° 0033 L

Test Report

22TA00017/01

of **27/04/2022**

Messrs

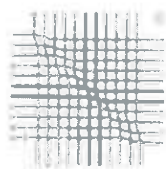
E. MIROGLIO EAD

Industrial District - P.O. Box 360
8800 SLIVEN - BG

Receiving date 24/02/2022 **Receipt date** 24/02/2022 **Date and Time of sampling** 23/02/2022 13.30
Description Incoming water_pollution check
Identification Waste water
Customer E. MIROGLIO EAD
Sampling collected by certificated bulgarian lab
Sampling location E. Miroglia EAD - Yambol Plant, Bulgaria
Sampling procedure customer's responsibility
Test began on 08/04/2022 **Test ended on** 08/04/2022

Tests

80243 Water and industrial wastewater. MRSL parameters STeP Ed. 01/2022 in accordance with Annex 3



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LAB N° 0033 I

Result		Concentration	Uncertainty	UM	Limits			
					Min	Max	Min	Max
Heavy Metals		-						
UNI EN ISO 17294-2 2016								
Chromium	*	503		µg/l				
UNI EN ISO 17294-2 2016								
Tetrachloroethylene	*	< 1		µg/l				
EPA 5021A 2014 + EPA 8260D 2018								
N,N-dimethylacetamide	*	55		µg/l				
EPA 5021A 2014 + EPA 8260D 2018								
Dimethylformamide	*	10		µg/l				
EPA 5021A 2014 + EPA 8260D 2018								
Chloroform	*	< 1		µg/l				
EPA 5021A 2014 + EPA 8260D 2018								

(*) no accredited by Accredia

Notes

The tests indicated by the symbol "*" do not fall within the ACCREDIA accreditation scope of the laboratory. If carried out by the laboratory, the sampling is conducted with a method not falling within the scope of accreditation ACCREDIA of the Laboratory.

The analytical results are not corrected by the laboratory for the recovery factor, even if 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%. 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.

If present, opinions and observations do not fall within the ACCREDIA accreditation.

If the sample is not taken by technicians of Centro Tessile Cottoniero 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 accepted limits for STeP Standard.

Simple acceptance - Associated risk level: see ILAC G8:09/2019

Issue date

27/04/2022

Chemical Ecological and Environmental
Testing Area Manager
dott.ssa Letizia Bregola

End of Test Report 22TA00017/01