

TEST REPORT N° 24/41107

pag. 1 di 44

Mod.018 Rev .3 del 26.10.2023

Request No	Not Applicable	Issued to ARTCOLOR s.r.l. DIV. ARTCOLOR s.r.l. x ZDHC Via Bologna, 288 59025 CANTAGALLO (PO)
Input No	24/40236	
Input date	18/10/24	
Start and end test date	18/10/24 - 29/10/24	
Issue date	29/10/24	

SAMPLE DESCRIPTION (#):

A UNTREATED WASTEWATER ARTCOLOR 18/10/2024

THIS DOCUMENT CONSISTS OF THE FOLLOWING ANALYTICAL RESULTS:

Code	Test	Standard
CW0100 *	Water: sampling operation	ref. to ISO 5667-13:2011
CW0990	Water quality -Determination of Hexavalent Chromium	ISO 18412:2005
CW1000	Water quality -Determination of heavy metals	EPA 200.8 1994
CW1070 *	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	EPA 3510C:1996 + EPA 8270E:2018 - ref. AfPS GS 2019:01
CW1200	Water quality -Determination of Alkylphenols	UNI EN ISO 18857-1:2006
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	MIP_CW1201_rev3:2021
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	EPA 5021A:2014 + EPA 8260D:2018
CW1204 *	Water quality -Determination of Chlorinated Benzenes and toluenes	EPA 3510C:1996 + EPA 8270E:2018 - ref. EN 17137:2019
CW1205	Water quality -Determination of Chlorophenols	EPA 3510C:1996 + EPA 8270E:2018
CW1206	Water quality -Determination of Organotin Compounds	UNI EN ISO 17353:2006
CW1207	Water quality -Determination of Polyfluorinated and Perfluorinated Compounds (PFC)	MIP_CW1207_rev5:2023
CW1208	Water quality -Determination of Phthalates	EPA 3510C:1996 + EPA 8270E:2018
CW1209 *	Water quality -Determination of Aromatic amines derived from azo-dyes	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 14362-1
CW1210 *	Water quality -Determination of Allergenic Disperse Dyes	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022
CW1211 *	Water quality -Determination of Carcinogenic Dyes	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022
CW1212 *	Water quality -Determination of Navy Blue Colorant	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022
CW1213 *	Water quality -Determination of Chlorinated Paraffins (SCCP - MCCP - LCCP)	EPA 3510C:1996 - ref. ISO 18219-1/2 (solvent extraction / GC-MS)
CW1216 *	Water quality -Determination of Glycols	EPA 3535AC:2007 + EPA 8270E:2018
CW1250 *	Water: Determination of Triclosan	EPA 3535A:2007 + EPA 8321B2007 - ref. DIN 54231-2022
CW1251 *	Water: Determination of Permethrin	EPA 3510C:1996 + EPA 8321B2007 - ref. EPA 8270E:2018
CW1252 *	Water: Determination of Flame Retardant	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 17881-1:2016 / EPA 3510C:1996 + EPA 8321B:2007 - ref. ISO 17881-2:2016 / Boron and Borate salts: acid digestion + ISO 17072-

TEST REPORT N° 24/41107

pag. 2 di 44

Mod.018 Rev .3 del 26.10.2023

		2:2022 / EN 71-3:2021
CW1262	Water: Determination of OPP	EPA 3510C:1996 + EPA 8270E:2018
CW1263 *	Water: Determination of N,N-dimethylformamide	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 16189:2021
CW1264 *	Water: Determination of AEEA [2-(2-aminoethylamino)ethanol]	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)
CW1265 *	Water: Determination of UV Absorbers	EPA 3510C:1996 + EPA 8321B:2007 - ref. DIN 54231-2022
CW1266 *	Water: Determination of Bisphenol A	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)
CW1267 *	Water: Determination of Thiourea	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)
CW1268 *	Water: Determination of Quinoline	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)
CW1269 *	Water: Determination of Borate, zinc salt	ref. EPA 200.8 / EN 71-3:2021 (acid digestion / ICP-MS)

General Remarks

The results included in this report refer exclusively to the materials submitted by the Client as received; as a general rule, TIL does not collect and / or sample the material covered by the testing, therefore, any representativeness of the material analyzed, in relation to one or different lots, is exclusive responsibility of the customer, except where expressly indicated.

(#) Data provided by the Customer. In addition, when information is provided by the Customer and may influence the validity of the results, the Laboratory declines any responsibility.

The expanded uncertainty, available on request, is calculated with a cover factor $k=2$ for a level of confidence of 95%.

For qualitative tests and for tests in which the result is expressed by numerical or attribute evaluation indices, the expanded uncertainty is not applicable.

The materials sent to TIL and tested will be kept available to the Customer for a period of 3 (three) months after completion of the Services; after this period all materials will be disposed of by TIL.

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The Decision/making rules

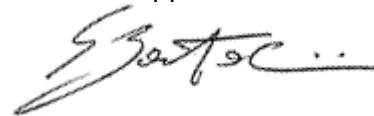
Unless otherwise requested by the customer, the Laboratory expresses the compliance not taking into account the uncertainty associated with the result. Uncertainty of method is available at customer request.

Where the decision rule is not defined by test method, the laboratory adopts a decision rule applying the "guard band" approach. This decision rule is described in the "conformity analysis" procedure adopting an unilateral K /coverage factor of 1,645 for a confidence level of 95%.

* Test not accredited by ACCREDIA

Technical Manager

Giuseppe Bartolini



Summary Results Evaluation based on PRSL

ZDHC - Waste Water Guideline vers. 2.1 - Textile - MRSL - ZDHC - Waste Water Guideline vers. 2.1 - Textile - Foundational

Rev. 2 del 21/03/2022

Item	Sample	Pass	Fail	Not applied
A	UNTREATED WASTEWATER ARTCOLOR 18/10/2024	233 Pass	6 Fail	1 NA
	CW1209 - 4-chloroaniline <=0,1		0,57 µg/L	
	CW1252 - Boric Acid (as B) <=100		121,3 µg/L	
	CW1252 - Diboron trioxide (as B) <=100		136,6 µg/L	
	CW1252 - Disodium octaborate (as B) <=100		362,5 µg/L	
	CW1252 - Disodium tetraborate, anhydrous (as B) <=100		352,3 µg/L	
	CW1252 - Tetraboron disodium heptaoxide, hydrate (as B) <=25		430,1 µg/L	

TEST REPORT N° 24/41107

pag. 4 di 44

Mod.018 Rev .3 del 26.10.2023

Evaluation Results Sample
UNTREATED WASTEWATER ARTCOLOR 18/10/2024

Rev. 0 del 06/04/2020

Item	Test Method	Parameter	Limits	Value	P/F
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Acenaftene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Acenaphtylene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Anthracene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benz[a]anthracene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[a]pyrene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[b]fluoranthene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[e]Pyrene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[ghi]perylene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[j]fluoranthene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Benzo[k]Fluoranthene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Chrysene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Fluoranthene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Fluorene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Indeno(1,2,3-cd)Pyrene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Phenanthrene	<=1 µg/L	Not Detectable	PASS
CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH)	Pyrene	<=1 µg/L	Not Detectable	PASS
CW1200	Water quality -Determination of Alkylphenols	Nonylphenols (NP) (linear and branched)	<=5 µg/L	Not Detectable	PASS
CW1200	Water quality -Determination of Alkylphenols	Octylphenols (OP) (linear and branched)	<=5 µg/L	Not Detectable	PASS
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Ethoxylated Nonylphenols (NPEO3-20)	<=5 µg/L	Not Detectable	PASS
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Ethoxylated Octylphenols (OPEO3-20)	<=5 µg/L	Not Detectable	PASS
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Nonylphenol diethoxylate (NPEO2)	<=5 µg/L	Not Detectable	PASS

TEST REPORT N° 24/41107

pag. 5 di 44

Mod.018 Rev .3 del 26.10.2023

CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Nonylphenol monoethoxylate (NPEO1)	<=5 µg/L	Not Detectable	PASS
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Octylphenol diethoxylate (OPEO2)	<=5 µg/L	Not Detectable	PASS
CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)	Octylphenol monoethoxylate (OPEO1)	<=5 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	1,2-Dichloroethane (as halogenated solvent)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	Benzene (as VOC)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	dichloromethane (as halogenated solvents)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	m-cresolo (as VOC)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	o-cresol (as VOC)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	p-cresol (as VOC)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	Tetrachloroethylene (as halogenated solvents)	<=1 µg/L	Not Detectable	PASS
CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)	Trichloroethylene (as halogenated solvents)	<=1 µg/L	0,94 µg/L	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2,3,4-Tetrachlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2,3,5 tetrachlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2,3-trichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2,4,5 tetrachlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2,4-trichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,2-dichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,3,5-trichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,3-dichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	1,4-dichlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,3,4,5-tetrachlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,3,4,6-tetrachlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,3,4-trichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,3,5,6-tetrachlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,3,6-Trichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,4,5-trichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,4,6-trichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,4-dichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,5-dichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2,6-dichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	2-chlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	3,4,5-trichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	3,4-dichlorotoluene	<=0,2 µg/L	Not Detectable	PASS

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TEST REPORT N° 24/41107

pag. 6 di 44

Mod.018 Rev .3 del 26.10.2023

	<i>Chlorinated Benzenes and toluenes</i>				
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	3,5-dichlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	3-chlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	4-chlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	chlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	Hexachlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	Pentachlorobenzene	<=0,2 µg/L	Not Detectable	PASS
CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes	Pentachlorotoluene	<=0,2 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,4,5-Tetrachlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,4,6-Tetrachlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,4-Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,5,6-Tetrachlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,5-Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3,6 Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,3-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,4,5-Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,4,6-Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,4-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,5-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2,6-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	2-Chlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	3,4,5-Trichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	3,4-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	3,5-Dichlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	3-Chlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	4-Chlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1205	Water quality -Determination of Chlorophenols	Pentachlorophenol	<=0,5 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Dibutyl Tin (DBT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Dimethyl Tin (DMT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Diocetyl Tin (DOT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Diphenyl Tin (DPhT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Dipropyl Tin (DProT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Monobutyl Tin (MBT)	<=0,01 µg/L	Not Detectable	PASS

TEST REPORT N° 24/41107

pag. 7 di 44

Mod.018 Rev .3 del 26.10.2023

CW1206	Water quality -Determination of Organotin Compounds	Monomethyl Tin (MMT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Monooctyl Tin (MOT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Monophenyl tin (MPhT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tetrabutyl Tin (TeBT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tetraethyl tin (TET)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tetraoctyl tin (TeOT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tributyl Tin (TBT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tricyclohexyl Tin (TCyT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Trimethyl Tin (TMT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Trioctyl Tin (TOT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Triphenyl Tin (TPhT)	<=0,01 µg/L	Not Detectable	PASS
CW1206	Water quality -Determination of Organotin Compounds	Tripropyl Tin (TPT)	<=0,01 µg/L	Not Detectable	PASS
CW1207	Water quality -Determination of Polyfluorinated and Perfluorinated Compounds (PFC)	Perfluoro octanoic acid (PFOA)	<=0,01 µg/L	Not Detectable	PASS
CW1207	Water quality -Determination of Polyfluorinated and Perfluorinated Compounds (PFC)	Perfluorooctane sulfonic acid (PFOS)	<=0,01 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DNHUP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Benzyl butyl phthalate (BBP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-(2-ethylhexyl)phthalate (DEHP)	<=10 µg/L	1,08 µg/L	PASS
CW1208	Water quality -Determination of Phthalates	Di-(2-methoxyethyl) phthalate (DMEP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Dibutyl phthalate (DBP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Dicyclohexyl phthalate (DCHP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-ethylphthalate (DETP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Dihexyl phthalate (DHP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-isobutyl phthalate (DIBP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-iso-decylphthalate (DIDP)	<=10 µg/L	1,22 µg/L	PASS
CW1208	Water quality -Determination of Phthalates	Di-iso-nonylphthalate (DINP)	<=10 µg/L	1,81 µg/L	PASS
CW1208	Water quality -Determination of Phthalates	Di-iso-octylphthalate (DIOP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-isopentyl phthalate (DIPP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-methyl-Phthalate (DMP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-n-octylphthalate (DNOP)	<=10 µg/L	Not Detectable	PASS

TEST REPORT N° 24/41107

pag. 8 di 44

Mod.018 Rev .3 del 26.10.2023

CW1208	Water quality -Determination of Phthalates	Di-nonylphthalate (DNP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Di-n-propylphthalate (DPRP)	<=10 µg/L	Not Detectable	PASS
CW1208	Water quality -Determination of Phthalates	Dipentyl phthalate (DPP)	<=10 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	2,4,5-trimethylaniline / 2,4,5-trimethylaniline hydrochloride	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	2,4-xylidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	2,6-xylidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	2-naphtylamine / 2-Naphthylammoniumacetate	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	3,3'-dichlorobenzidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	3,3'-dimethoxybenzidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	3,3-dimethylbenzidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4,4'-diaminodiphenylmethane	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4,4'-methylene-bis-(2-chloro-aniline)	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4,4'-methylenedi-o-toluidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4,4'-oxydianiline	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4,4'-thiodianiline	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-aminoazobenzene	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-aminobiphenyl	<=0,1 µg/L	0,09 µg/L	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-chloroaniline	<=0,1 µg/L	0,57 µg/L	FAIL
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-chloro-o-toluidine / 4-chloro-o-toluidinium chloride	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-methoxy-m-phenylenediamine / 4-methoxy-m-phenylene diammonium sulphate;	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	4-methyl-m-phenylenediamine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	5-nitro-o-toluidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of	benzidine	<=0,1 µg/L	Not Detectable	PASS

TEST REPORT N° 24/41107

pag. 9 di 44

Mod.018 Rev .3 del 26.10.2023

	Aromatic amines derived from azo-dyes				
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	<i>o</i> -aminoazotoluene	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	<i>o</i> -anisidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	<i>o</i> -toluidine	<=0,1 µg/L	Not Detectable	PASS
CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes	<i>p</i> -cresidine	<=0,1 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 102	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 106	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 124	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 26 (CI 63.305)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 35	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Blue 7 (CI 62.500)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Brown 1 (CI 11152:1)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Orange 1 (CI 11.080)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Orange 3 (CI 11.005)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Orange 76/37 (CI 11.132)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Red 1 (CI 11.110)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Red 11 (CI 62.015)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Red 17 (CI 11.210)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Yellow 1 (CI 10.345)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Yellow 3 (CI 11.855)	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Yellow 39	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Yellow 49	<=50 µg/L	Not Detectable	PASS
CW1210	Water quality -Determination of Allergenic Disperse Dyes	Disperse Yellow 9 (CI 10.375)	<=50 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Acid Red 26 (CI 16.150)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Acid Violet 49 (CI 42.640)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Blue 26 (CI 44.045) with > 0,1% of michler's ketone	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Green 4 (as chloride - CI 42.000)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Green 4 (as oxalate - CI 42.000)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Green 4 (CI 42.000)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Red 9(CI 42.500)	<=500 µg/L	Not Detectable	PASS

TEST REPORT N° 24/41107

pag. 10 di 44

Mod.018 Rev .3 del 26.10.2023

CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Violet 14 (CI 42.510)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Basic Violet 3 (CI 42.555) with >0,1% of Michler's ketone	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Direct Black 38 (CI 30.235)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Direct Blue 6 (CI 22.610)	<=500 µg/L	Not Detectable	PASS
CW1211	Water quality -Determination of Carcinogenic Dyes	Direct Red 28 (CI 22.120)	<=500 µg/L	Not Detectable	PASS
CW1212	Water quality -Determination of Navy Blue Colorant	Navy Blue Colorant	<=500 µg/L	Not Detectable	PASS
CW1213	Water quality -Determination of Chlorinated Paraffins (SCCP - MCCP - LCCP)	Medium chain chlorinated Paraffins C14-C17 (MCCP)	<=500 µg/L	Not Detectable	PASS
CW1213	Water quality -Determination of Chlorinated Paraffins (SCCP - MCCP - LCCP)	Short chain chlorinated Paraffins C10-C13 (SCCP)	<=25 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	1,2-bis(2-methoxyethoxy)ethane [triglyme (TEGDME)]	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	2-Ethoxyethanol	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	2-Ethoxyethyl acetate	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	2-Methoxyethanol	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	2-methoxyethylacetate	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	2-methoxypropylacetate	<=50 µg/L	Not Detectable	PASS
CW1216	Water quality -Determination of Glycols	Bis(2-methoxyethyl)ether	<=50 µg/L	Not Detectable	PASS
CW1250	Water: Determination of Triclosan	Triclosan	<=100 µg/L	Not Detectable	PASS
CW1251	Water: Determination of Permethrin	Permethrin	<=500 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	2,2',3,3',4,4',5,5',6-Nonabromobiphenyl (PBB 206)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	2,2',3,3',4,4',5,5'-Octabromobiphenyl (PBB 194)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	2,4,4'-Tribromodiphenyl ether (BDE 28)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	4,4'-Dibromobiphenyl (PBB 15)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	4-Bromobiphenyl (PBB 3)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	4-Bromodiphenyl ether (BDE 3)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Bis(2,3-dibromopropyl ether) of tetrabromobisphenol (BDBPT)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Bis(2,3-dibromopropyl) phosphate (BBP)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Boric Acid (as B)	<=100 µg/L	121,3 µg/L	FAIL
CW1252	Water: Determination of Flame Retardant	Decabromobiphenyl (PBB 209)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Decabromodiphenyl ether (BDE 209)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Diboron trioxide (as B)	<=100 µg/L	136,6 µg/L	FAIL
CW1252	Water: Determination of Flame Retardant	Disodium octaborate (as B)	<=100 µg/L	362,5 µg/L	FAIL

TEST REPORT N° 24/41107

pag. 11 di 44

Mod.018 Rev .3 del 26.10.2023

CW1252	Water: Determination of Flame Retardant	Disodium tetraborate, anhydrous (as B)	<=100 µg/L	352,3 µg/L	FAIL
CW1252	Water: Determination of Flame Retardant	Heptabromo diphenyl ethers (HeptaBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Hexabromo diphenyl ethers (HexaBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Hexabromocyclododecane (HBCDD)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Nonabromo diphenyl ethers (NonaBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Octabromodiphenyl Ether (OctaBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Pentabromodiphenyl ether (PBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Polybromobiphenyls (PBB)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tetraboron disodium heptaoxide, hydrate (as B)	<=25 µg/L	430,1 µg/L	FAIL
CW1252	Water: Determination of Flame Retardant	Tetrabromo diphenyl ethers (TetraBDE)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tetrabromobisphenol A (TBBPA)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tris-(1,3-dichloro-2-propyl)phosphate (TDCPP)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tris-(1-chloro-2-propyl)phosphate (TCPP)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tris-(2,3-dibromopropyl)phosphate (TRIS)	<=25 µg/L	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tris(2-chloroethyl)phosphate	<=25 µg/kg	Not Detectable	PASS
CW1252	Water: Determination of Flame Retardant	Tris-(aziridinyl)-phosphineoxide (TEPA)	<=25 µg/L	Not Detectable	PASS
CW1262	Water: Determination of OPP	ortho-Phenylphenol	<=100 µg/L	Not Detectable	PASS
CW1263	Water: Determination of N,N-dimethylformamide	N,N-dimethylformamide	<=1000 µg/L	Not Detectable	PASS
CW1264	Water: Determination of AEEA [2-(2-aminoethylamino)ethanol]	2-(2-Aminoethylamino)ethanol (AEEA)	<=500 µg/L	Not Detectable	PASS
CW1265	Water: Determination of UV Absorbers	2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	<=100 µg/L	Not Detectable	PASS
CW1265	Water: Determination of UV Absorbers	2-(2H-benzotriazol-2-yl)-4,6-diterpentyphenol (UV-328)	<=100 µg/L	Not Detectable	PASS
CW1265	Water: Determination of UV Absorbers	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	<=100 µg/L	Not Detectable	PASS
CW1265	Water: Determination of UV Absorbers	benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	<=100 µg/L	Not Detectable	PASS
CW1266	Water: Determination of Bisphenol A	4,4'-isopropylidenediphenol (bisphenol A; BPA)	<=10 µg/L	Not Detectable	PASS
CW1267	Water: Determination of Thiourea	Thiourea	<=50 µg/L	Not Detectable	PASS
CW1268	Water: Determination of Quinoline	Quinoline	<=50 µg/L	Not Detectable	PASS
CW1269	Water: Determination of Borate, zinc salt	Borate, Zinc salt (expressed as total Boron)	<=100 µg/L	22,4 µg/L	PASS
CW0990	Water quality -Determination of Hexavalent Chromium	Chromium VI	<=0.05 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Antimony	<=0.1 mg/L	0,02 mg/L	PASS
CW1000	Water quality -Determination of heavy metals	Arsenic	<=0.05 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Cadmium	<=0.1 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Chromium	<=0.2 mg/L	0,02 mg/L	PASS

TEST REPORT N° 24/41107

pag. 12 di 44

Mod.018 Rev .3 del 26.10.2023

	metals				
CW1000	Water quality -Determination of heavy metals	Cobalt	<=0.05 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Copper	<=1 mg/L	0,02 mg/L	PASS
CW1000	Water quality -Determination of heavy metals	Lead	<=0.1 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Mercury	<=0.01 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Nickel	<=0.2 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Silver	<=0.1 mg/L	Not Detectable	PASS
CW1000	Water quality -Determination of heavy metals	Zinc	<=5 mg/L	0,27 mg/L	PASS
CW0100	Water: sampling operation	NA	Not applied	NA	NA

Begin of Test Report

CW1200 **Water quality -Determination of Alkylphenols**

Test methods **UNI EN ISO 18857-1:2006**

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction - Ref. ASTM D7065

Testing equipment GC-MSMS

Testing date 22/10/2024

Sample identification **UNTREATED WASTEWATER ARTCOLOR 18/10/2024**

Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Octylphenols (OP) (linear and branched)	27193-28-8 / 140-66-9 / 1806-26-4	< LOQ	1
Nonylphenols (NP) (linear and branched)	25154-52-3 / 104-40-5 / 11066-49-2 / 84852-15-3 / 90481-04-2	< LOQ	1

Note: LOQ: limit of quantification

Sample not cool upon arrival

CW1201	Water quality -Determination of Ethoxylated Alkylphenols (APEOS)
Test methods	MIP_CW1201_rev3:2021

Rev. 0 del 06/04/2020

Testing conditions SPE extraction - Ref. ISO 18857-2:2009 / ASTM D7065
 Testing equipment LC-MSMS
 Testing date 29/10/2024

Sample identification	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Octylphenol monoethoxylate (OPEO1)	2315-67-5	< LOQ	1
Octylphenol diethoxylate (OPEO2)	2315-61-9	< LOQ	1
Nonylphenol monoethoxylate (NPEO1)	104-35-8	< LOQ	1
Nonylphenol diethoxylate (NPEO2)	20427-84-3	< LOQ	1
Ethoxylated Octylphenols (OPEO3-20)	9002-93-1 / 9036-19-5 / 68987-90-6 / 26636-32-8 / 19036-19-5	< LOQ	1
Ethoxylated Nonylphenols (NPEO3-20)	9016-45-9 / 26027-38-3 / 37205-87-1 / 68412-54-4 / 127087-87-0	< LOQ	1

Note: LOQ: limit of quantification

Sample not cool upon arrival

CW1262	Water: Determination of OPP
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018

Rev. 0 del 06/04/2020

Testing conditions LLE extraction and derivatization
Testing equipment GC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
ortho-Phenylphenol	90-43-7	< LOQ	10

Note: LOQ: limit of quantification

Sample not cool upon arrival

CW1250	Water: Determination of Triclosan *
<i>Test methods</i>	EPA 3535A:2007 + EPA 8321B2007 - ref. DIN 54231-2022

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Triclosan	3380-34-5	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1251	Water: Determination of Permethrin *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8321B2007 - ref. EPA 8270E:2018

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Permethrin	52645-53-1	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 18 di 44

Mod.018 Rev .3 del 26.10.2023

CW1213	Water quality -Determination of Chlorinated Paraffins (SCCP - MCCP - LCCP) *
<i>Test methods</i>	EPA 3510C:1996 - ref. ISO 18219-1/2 (solvent extraction / GC-MS)

Rev. 0 del 06/04/2020

Testing conditions Organic solvent extraction - Ref. ISO 12010:2010
Testing equipment LC-MSMS
Testing date 22/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Short chain chlorinated Paraffins C10-C13 (SCCP)	85535-84-8 <i>et al</i>	< LOQ	1
Medium chain chlorinated Paraffins C14-C17 (MCCP)	85535-85-9 <i>et al</i>	< LOQ	1

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 19 di 44

Mod.018 Rev .3 del 26.10.2023

CW1204	Water quality -Determination of Chlorinated Benzenes and toluenes *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018 - ref. EN 17137:2019

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment GC-MSMS
Testing date 22/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
chlorobenzene	108-90-7	< LOQ	0,1
2-chlorotoluene	95-49-8	< LOQ	0,1
3-chlorotoluene	108-41-8	< LOQ	0,1
4-chlorotoluene	106-43-4	< LOQ	0,1
2,3-dichlorotoluene	32768-54-0	< LOQ	0,1
2,4-dichlorotoluene	95-73-8	< LOQ	0,1
2,5-dichlorotoluene	19398-61-9	< LOQ	0,1
2,6-dichlorotoluene	118-69-4	< LOQ	0,1
3,4-dichlorotoluene	95-75-0	< LOQ	0,1
3,5-dichlorotoluene	25186-47-4	< LOQ	0,1
2,3,4-trichlorotoluene	7359-72-0	< LOQ	0,1
2,3,6-Trichlorotoluene	2077-46-5	< LOQ	0,1
2,4,5-trichlorotoluene	6639-30-1	< LOQ	0,1
2,4,6-trichlorotoluene	23749-65-7	< LOQ	0,1
3,4,5-trichlorotoluene	21472-86-6	< LOQ	0,1
2,3,4,5-tetrachlorotoluene	76057-12-0 / 1006-32-2	< LOQ	0,1
2,3,5,6-tetrachlorotoluene	29733-70-8 / 1006-31-1	< LOQ	0,1
2,3,4,6-tetrachlorotoluene	875-401	< LOQ	0,1
Pentachlorotoluene	877-11-2	< LOQ	0,1
1,2-dichlorobenzene	95-50-1	< LOQ	0,1
1,3-dichlorobenzene	541-73-1	< LOQ	0,1
1,4-dichlorobenzene	106-46-7	< LOQ	0,1
1,2,3-trichlorobenzene	87-61-6	< LOQ	0,1
1,2,4-trichlorobenzene	120-82-1	< LOQ	0,1
1,3,5-trichlorobenzene	108-70-3	< LOQ	0,1
1,2,3,4-Tetrachlorobenzene	634-66-2	< LOQ	0,1
1,2,3,5 tetrachlorobenzene	634-90-2	< LOQ	0,1
1,2,4,5 tetrachlorobenzene	95-94-3	< LOQ	0,1
Pentachlorobenzene	608-93-5	< LOQ	0,1
Hexachlorobenzene	118-74-1	< LOQ	0,1

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 20 di 44

Mod.018 Rev .3 del 26.10.2023

CW1205	Water quality -Determination of Chlorophenols
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment GC-MSMS
Testing date 22/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2-Chlorophenol	95-57-8	< LOQ	0,1
3-Chlorophenol	108-43-0	< LOQ	0,1
4-Chlorophenol	106-48-9	< LOQ	0,1
2,3-Dichlorophenol	576-24-9	< LOQ	0,1
2,4-Dichlorophenol	120-83-2	< LOQ	0,1
2,5-Dichlorophenol	583-78-8	< LOQ	0,1
2,6-Dichlorophenol	87-65-0	< LOQ	0,1
3,4-Dichlorophenol	95-77-2	< LOQ	0,1
3,5-Dichlorophenol	591-35-5	< LOQ	0,1
2,3,6 Trichlorophenol	933-75-5	< LOQ	0,1
2,3,4-Trichlorophenol	15950-66-0	< LOQ	0,1
2,4,5-Trichlorophenol	95-95-4	< LOQ	0,1
2,4,6-Trichlorophenol	88-06-2	< LOQ	0,1
2,3,5-Trichlorophenol	933-78-8	< LOQ	0,1
3,4,5-Trichlorophenol	609-19-8	< LOQ	0,1
2,3,4,5-Tetrachlorophenol	4901-51-3	< LOQ	0,1
2,3,4,6-Tetrachlorophenol	58-90-2	< LOQ	0,1
2,3,5,6-Tetrachlorophenol	935-95-5	< LOQ	0,1
Pentachlorophenol	87-86-5	< LOQ	0,1

Note: LOQ: limit of quantification

Sample not cool upon arrival

CW1263	Water: Determination of N,N-dimethylformamide *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 16189:2021

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment GC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
N,N-dimethylformamide	68-12-2	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 22 di 44

Mod.018 Rev .3 del 26.10.2023

CW1210	Water quality -Determination of Allergenic Disperse Dyes *
<i>Test methods</i>	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022

Rev. 0 del 06/04/2020

Testing conditions SPE extraction
Testing equipment LC-MSMS
Testing date 29/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Disperse Blue 102	12222-97-8	< LOQ	10
Disperse Blue 106	12223-01-7	< LOQ	10
Disperse Blue 124	61951-51-7	< LOQ	10
Disperse Blue 26 (CI 63.305)	3860-63-7	< LOQ	10
Disperse Blue 35	12222-75-2 / 56524-77-7	< LOQ	10
Disperse Blue 7 (CI 62.500)	3179-90-6	< LOQ	10
Disperse Brown 1 (CI 11152:1)	23355-64-8	< LOQ	10
Disperse Orange 1 (CI 11.080)	2581-69-3	< LOQ	10
Disperse Orange 3 (CI 11.005)	730-40-5	< LOQ	10
Disperse Orange 76/37 (CI 11.132)	12223-33-5 / 13301-61-6 / 51811-42-8	< LOQ	10
Disperse Red 1 (CI 11.110)	2872-52-8	< LOQ	10
Disperse Red 11 (CI 62.015)	2872-48-2	< LOQ	10
Disperse Red 17 (CI 11.210)	3179-89-3	< LOQ	10
Disperse Yellow 1 (CI 10.345)	119-15-3	< LOQ	10
Disperse Yellow 3 (CI 11.855)	2832-40-8	< LOQ	10
Disperse Yellow 39	12236-29-2	< LOQ	10
Disperse Yellow 49	54824-37-2	< LOQ	10
Disperse Yellow 9 (CI 10.375)	6373-73-5	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 23 di 44

Mod.018 Rev .3 del 26.10.2023

CW1211	Water quality -Determination of Carcinogenic Dyes *
<i>Test methods</i>	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022

Rev. 0 del 06/04/2020

Testing conditions SPE extraction
Testing equipment LC-MSMS
Testing date 23/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Basic Violet 3 (CI 42.555) with >0,1% of Michler's ketone	548-62-9 / 603-48-5 / 14426-25-6	< LOQ	10
Acid Red 26 (CI 16.150)	3761-53-3	< LOQ	10
Acid Violet 49 (CI 42.640)	1694-09-3	< LOQ	10
Basic Blue 26 (CI 44.045) with > 0,1% of michler's ketone	2580-56-5	< LOQ	10
Basic Green 4 (as chloride - CI 42.000)	569-64-2	< LOQ	10
Basic Green 4 (as oxalate - CI 42.000)	2437-29-8 / 18015-76-4	< LOQ	10
Basic Green 4 (CI 42.000)	10309-95-2	< LOQ	10
Basic Red 9(CI 42.500)	569-61-9	< LOQ	10
Basic Violet 14 (CI 42.510)	632-99-5	< LOQ	10
Direct Black 38 (CI 30.235)	1937-37-7	< LOQ	10
Direct Blue 6 (CI 22.610)	2602-46-2	< LOQ	10
Direct Red 28 (CI 22.120)	573-58-0	< LOQ	10
Disperse Blue 1 (CI 64.500)	2475-45-8	< LOQ	10
Disperse Blue 3 (CI 61.505)	2475-46-9	< LOQ	10
Disperse Orange 11 (CI 60.700)	82-28-0	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1212	Water quality -Determination of Navy Blue Colorant *
<i>Test methods</i>	EPA 3535A:2007 + EPA 8321B:2007 - ref. DIN 54231-2022

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment LC-MSMS
Testing date 22/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Navy Blue Colorant	118685-33-9	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 25 di 44

Mod.018 Rev .3 del 26.10.2023

CW1252	Water: Determination of Flame Retardant *
Test methods	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 17881-1:2016 / EPA 3510C:1996 + EPA 8321B:2007 - ref. ISO 17881-2:2016 / Boron and Borate salts: acid digestion + ISO 17072-2:2022 / EN 71-3:2021

Rev. 0 del 06/04/2020

Testing conditions LLE / extraction - acid digestion for Boron and borate salts
Testing equipment GC-MSMS / LC-MSMS / ICP-MS
Testing date 21/10/2024

Sample identification	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	< LOQ	3
Bis(2,3-dibromopropyl) phosphate (BBP)	5412-25-9	< LOQ	3
Decabromodiphenyl ether (BDE 209)	1163-19-5	< LOQ	3
Hexabromocyclododecane (HBCDD)	134237-50-6 / 134237-51-7 / 134237-52-8 / 25637-99-4 / 3194-55-6	< LOQ	3
Octabromodiphenyl Ether (OctaBDE)	32536-52-0	< LOQ	3
Pentabromodiphenyl ether (PBDE)	32534-81-9	< LOQ	3
Polybromobiphenyls (PBB)	59536-65-1	< LOQ	3
Tetrabromobisphenol A (TBBPA)	79-94-7	< LOQ	3
Tris-(1-chloro-2-propyl)phosphate (TCPP)	13674-84-5	< LOQ	3
Tris-(aziridinyl)-phosphineoxide (TEPA)	545-55-1	< LOQ	3
Tris-(1,3-dichloro-2-propyl)phosphate (TDCPP)	13674-87-8	< LOQ	3
Tris(2-chloroethyl)phosphate	115-96-8	< LOQ	3
Tris-(2,3-dibromopropyl)phosphate (TRIS)	126-72-7	< LOQ	3
Decabromobiphenyl (PBB 209)	13654-09-6	< LOQ	3
4,4'-Dibromobiphenyl (PBB 15)	92-86-4	< LOQ	3
2,2',3,3',4,4',5,5'-Octabromobiphenyl (PBB 194)	67889-00-3	< LOQ	3
Bis(2,3-dibromopropyl ether) of tetrabromobisphenol (BDBPT)	21850-44-2	< LOQ	3
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	< LOQ	3
Hexabromo diphenyl ethers (HexaBDE)	36483-60-0	< LOQ	3
4-Bromobiphenyl (PBB 3)	1565797-40-1	< LOQ	3
2,2',3,3',4,4',5,5',6-Nonabromobiphenyl (PBB 206)	69278-62-2	< LOQ	3
4-Bromodiphenyl ether (BDE 3)	101-55-3	< LOQ	3
Nonabromo diphenyl ethers (NonaBDE)	63936-56-1	< LOQ	3
Tetrabromo diphenyl ethers (TetraBDE)	40088-47-9	< LOQ	3
2,4,4'-Tribromodiphenyl ether (BDE 28)	41318-75-6	< LOQ	3
Boric Acid (as B)	10043-35-3 / 11113-50-1	121,3	10
Diboron trioxide (as B)	1303-86-2	136,6	10
Disodium octaborate (as B)	12008-41-2	362,5	10
Disodium tetraborate, anhydrous (as B)	1303-96-4 / 1330-43-4 / 12179-04-3	352,3	10
Tetraboron disodium heptaoxide, hydrate (as B)	12267-73-1	430,1	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 26 di 44

Mod.018 Rev .3 del 26.10.2023

CW1216	Water quality -Detemination of Glycols *
<i>Test methods</i>	EPA 3535AC:2007 + EPA 8270E:2018

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment GC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2-Ethoxyethanol	110-80-5	< LOQ	10
2-Ethoxyethyl acetate	111-15-9	< LOQ	10
2-Methoxyethanol	109-86-4	< LOQ	10
2-methoxyethylacetate	110-49-6	< LOQ	10
2-methoxypropylacetate	70657-70-4	< LOQ	10
Bis(2-methoxyethyl)ether	111-96-6	< LOQ	10
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	< LOQ	10
1,2-bis(2-methoxyethoxy)ethane [triglyme (TEGDME)]	112-49-2	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 27 di 44

Mod.018 Rev .3 del 26.10.2023

CW1203	Water quality -Determination of Volatile Organic Compounds (VOC)
<i>Test methods</i>	EPA 5021A:2014 + EPA 8260D:2018

Rev. 0 del 06/04/2020

Testing conditions Headspace analysis
Testing equipment GC-MS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
1,2-Dichloroethane (as halogenated solvent)	107-06-2	< LOQ	0,5
dichloromethane (as halogenated solvents)	75-09-2	< LOQ	0,5
Tetrachloroethylene (as halogenated solvents)	127-18-4	< LOQ	0,5
Trichloroethylene (as halogenated solvents)	79-01-6	0,94	0,5
Benzene (as VOC)	71-43-2	< LOQ	0,5
m-cresolo (as VOC)*	108-39-4	< LOQ	0,5
o-cresol (as VOC)*	95-48-7	< LOQ	0,5
p-cresol (as VOC)*	106-44-5	< LOQ	0,5
Xylene (as VOC)*	1330-20-7	< LOQ	0,5
Toluene (as VOC)	108-88-3	1,08	0,5

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

Sample not cool upon arrival

CW1206	Water quality -Determination of Organotin Compounds
<i>Test methods</i>	UNI EN ISO 17353:2006

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment GC-MSMS
Testing date 23/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Monomethyl Tin (MMT)*	16408-15-4 / 993-16-8	< LOQ	0,01
Dimethyl Tin (DMT)*	753-73-1	< LOQ	0,01
Trimethyl Tin (TMT)*	1066-45-1	< LOQ	0,01
Monooctyl Tin (MOT)	15231-57-9 / 3091-25-6	< LOQ	0,01
Dioctyl Tin (DOT)	3542-36-7 / 15231-44-4	< LOQ	0,01
Trioctyl Tin (TOT)*	2587-76-0 / 250252-89-2	< LOQ	0,01
Monophenyl tin (MPHT)*	1124-19-2	< LOQ	0,01
Diphenyl Tin (DPHT)*	1011-95-6 / 1135-99-5	< LOQ	0,01
Triphenyl Tin (TPHT)	639-58-7 / 668-34-8	< LOQ	0,01
Tetrabutyl Tin (TeBT)	1461-25-2	< LOQ	0,01
Tripropyl Tin (TPT)*	2279-76-7 / 761-44-4	< LOQ	0,01
Tetraoctyl tin (TeOT)*	3590-84-9	< LOQ	0,01
Tricyclohexyl Tin (TCyT)	36580-86-6 / 3091-32-5 / 3047-10-7	< LOQ	0,01
Tetraethyl tin (TET)*	597-64-8	< LOQ	0,01
Dipropyl Tin (DProT)*	867-36-7	< LOQ	0,01
Monobutyl Tin (MBT)	78763-54-9 / 1118-46-3	< LOQ	0,01
Dibutyl Tin (DBT)	683-18-1 / 1002-53-5	< LOQ	0,01
Tributyl Tin (TBT)	1461-22-9 / 56573-85-4	< LOQ	0,01

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

Sample not cool upon arrival

CW1264	Water: Determination of AEEA [2-(2-aminoethylamino)ethanol] *
<i>Test methods</i>	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2-(2-Aminoethylamino)ethanol (AEEA)	111-41-1	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1266	Water: Determination of Bisphenol A *
<i>Test methods</i>	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	< LOQ	1

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1267	Water: Determination of Thiourea *
<i>Test methods</i>	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Thiourea	62-56-6	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1268	Water: Determination of Quinoline *
<i>Test methods</i>	EPA 3535A:2007 / ref. DIN 54231:2022 (solvent extraction / LC-MSMS)

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Quinoline	91-22-5	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1269	Water: Determination of Borate, zinc salt *
<i>Test methods</i>	ref. EPA 200.8 / EN 71-3:2021 (acid digestion / ICP-MS)

Rev. 0 del 06/04/2020

Testing conditions acid digestion
Testing equipment ICP-MS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Borate, Zinc salt (expressed as total Boron)	7726-95-6	22,4	10
Borate, Zinc salt (expressed as Zinc)	7440-66-6	264,3	3

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 34 di 44

Mod.018 Rev .3 del 26.10.2023

CW1207	Water quality -Determination of Polyfluorinated and Perfluorinated Compounds (PFC)
<i>Test methods</i>	MIP_CW1207_rev5:2023

Rev. 0 del 06/04/2020

Testing conditions SPE extraction - Ref. ISO 25101:2009 / DIN 38407-42:2011
Testing equipment GC-MSMS (for FTOHs e FTAs) - LC-MSMS (other PFCs)
Testing date 23/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Perfluorbutansulfonic acid (PFBS)	29420-49-3 / 375-73-5 / 59933-66-3 / 749861-23-2	< LOQ	0,01
Perfluoro Pentanesulfonic acid (PFPeS)	2706-91-4 / 3872-25-1 / 630402-22-1 / 68259-09-6	< LOQ	0,01
Perfluorohexane sulfonic acid (PFHxS)	3871-99-6 / 355-46-4 / 82382-12-15 / 432-50-7 / 55120-77-9 / 68259-08-5	< LOQ	0,01
Perfluoro 1-heptanesulphonic acid (PFHpS)	375-92-8 / 60270-55-5 / 68555-66-8	< LOQ	0,01
Perfluorooctane sulfonic acid (PFOS)	2795-39-3 / 1763-23-1 / 29457-72-5 / 29081-56-9 / 70225-14-8 / 56773-42-3 / 251099-16-8	< LOQ	0,01
Perfluoro nonanesulfonic acid (PFNS)	35192-74-6 / 29359-39-5 / 17202-41-4	< LOQ	0,01
Perfluorodecane sulfonic acid (PFDS)	335-77-3 / 2806-15-7 / 2806-16-8 / 67906-42-7	< LOQ	0,01
Perfluorododecansulfonic acid (PFDoS)	79780-39-5 / 2386-56-0	< LOQ	0,01
Perfluorobutanoic acid (PFBA)	375-22-4	< LOQ	1
Perfluoropentanoic acid (PFPeA)	2706-90-3	< LOQ	1
Perfluoro n-hexanoic acid (PFHxA)	307-24-4	< LOQ	1
Perfluoro n-heptanoic acid (PFHpA)	375-85-9	< LOQ	1
7H-Perfluoroheptanoic acid (HPFHpA)	1546-95-8	< LOQ	1

TEST REPORT N° 24/41107

pag. 35 di 44

Mod.018 Rev .3 del 26.10.2023

Perfluoro octanoic acid (PFOA)	335-67-1 / 3825-26-1 / 335-95-5 / 2395-00-8 / 335-93-3 / 335-66-0 / 98241-25-9	< LOQ	0,01
Perfluoro nonanoic acid (PFNA)	375-95-1 / 21049-39-8 / 4149-60-4	< LOQ	1
Perfluoro decanoic acid (PFDA)	335-76-2 / 3108-42-7 / 3830-45-3	< LOQ	1
Perfluoroundecanoic acid (PFUnA)	2058-94-8 / 4234-23-5	< LOQ	1
Perfluorododecanoic acid (PFDoA)	307-55-1	< LOQ	1
Perfluorotridecanoic acid (PFTrA)	72629-94-8	< LOQ	1
Perfluorotetradecanoic acid (PFTA)	376-06-7	< LOQ	1
Perfluoroheptadecanoic acid (PFHxDA)	67905-19-5	< LOQ	1
Perfluorooctadecanoic acid (PFODA)	16517-11-6	< LOQ	1
1H,1H,2H,2H-Perfluorooctyl acrylate (FTA 6-2)	17527-29-6	< LOQ	1
1H,1H,2H,2H-Perfluorodecyl acrylate (FTA 8-2)	27905-45-9	< LOQ	1
1H,1H,2H,2H-Perfluorododecyl acrylate (FTA 10-2)	17741-60-5	< LOQ	1
4:2 Fluorotelomer alcohol (FTOH 4-2)	2043-47-2	< LOQ	1
6:2 Fluorotelomer alcohol (FTOH 6-2)	647-42-7	< LOQ	1
8:2 Fluorotelomer alcohol (FTOH 8-2)	678-39-7	< LOQ	1
10:2 Fluorotelomer alcohol (FTOH 10-2)	865-86-1	< LOQ	1
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	< LOQ	0,01
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	< LOQ	0,01
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	< LOQ	0,01
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	< LOQ	0,01
1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS)	39108-34-4	< LOQ	0,01
1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4:2 FTS)	757124-72-4 / 414911-30-1	< LOQ	0,01
1H,1H,2H,2H-perfluoro-1-octanesulfonate (6:2 FTS)	27619-97-2 / 425670-75-3	0,01	0,01
1H,1H,2H,2H-perfluoro-1-dodecane sulfonate (10:2 FTS)	108026-35-3	< LOQ	0,01
Perfluorooctane-sulfonamide (PFOSA)	754-91-6	< LOQ	0,01

Note: LOQ: limit of quantification

Sample not cool upon arrival

CW1208	Water quality -Determination of Phthalates
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018

Rev. 0 del 06/04/2020

Testing conditions LLE extraction
Testing equipment GC-MSMS
Testing date 29/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)*	71888-89-6	< LOQ	1
Di-methyl-Phthalate (DMP)	131-11-3	< LOQ	1
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DNHUP)*	68515-42-4	< LOQ	1
Di-(2-methoxyethyl) phthalate (DMEP)	117-82-8	< LOQ	1
Benzyl butyl phthalate (BBP)	85-68-7	< LOQ	1
Dicyclohexyl phthalate (DCHP)	84-61-7	< LOQ	1
Di-iso-decylphthalate (DIDP)	26761-40-0 / 68515-49-1	1,22	1
Di-iso-octylphthalate (DIOP)	27554-26-3	< LOQ	1
Di-isobutyl phthalate (DIBP)	84-69-5	< LOQ	1
Di-iso-nonylphthalate (DINP)	28553-12-0 / 68515-48-0	1,81	1
Dihexyl phthalate (DHP)	84-75-3	< LOQ	1
Di-n-octylphthalate (DNOP)	117-84-0	< LOQ	1
Dipentyl phthalate (DPP)	131-18-0	< LOQ	1
Di-n-propylphthalate (DPRP)*	131-16-8	< LOQ	1
Di-(2-ethylhexyl)phthalate (DEHP)	117-81-7	1,08	1
Dibutyl phthalate (DBP)	84-74-2	< LOQ	1
Di-ethylphthalate (DETP)*	84-66-2	< LOQ	1
Di-isopentyl phthalate (DIPP)*	605-50-5	< LOQ	1
Di-nonylphthalate (DNP)	84-76-4	< LOQ	1

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

Sample not cool upon arrival

CW1070	Water quality -Determination of Polycyclic Aromatic Hydrocarbons (PAH) *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018 - ref. AfPS GS 2019:01

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment GC-MSMS
Testing date 29/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
Acenaftene	83-32-9	< LOQ	0,5
Acenaphtylene	208-96-8	< LOQ	0,5
Anthracene	120-12-7	< LOQ	0,5
Benz[a]anthracene	56-55-3	< LOQ	0,5
Benzo[a]pyrene	50-32-8	< LOQ	0,5
Benzo[b]fluoranthene	205-99-2	< LOQ	0,5
Benzo[e]Pyrene	192-97-2	< LOQ	0,5
Benzo[ghi]perylene	191-24-2	< LOQ	0,5
Benzo[j]fluoranthene	205-82-3	< LOQ	0,5
Benzo[k]Fluoranthene	207-08-9	< LOQ	0,5
Chrysene	218-01-9	< LOQ	0,5
Dibenzo(a,h) Anthracene	53-70-3	< LOQ	0,5
Fluoranthene	206-44-0	< LOQ	0,5
Fluorene	86-73-7	< LOQ	0,5
Indeno(1,2,3-cd)Pyrene	193-39-5	< LOQ	0,5
Naphtalene	91-20-3	< LOQ	0,5
Phenanthrene	85-01-8	< LOQ	0,5
Pyrene	129-00-0	< LOQ	0,5

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 38 di 44

Mod.018 Rev .3 del 26.10.2023

CW1209	Water quality -Determination of Aromatic amines derived from azo-dyes *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8270E:2018 - ref. ISO 14362-1

Rev. 0 del 06/04/2020

<i>Testing conditions</i>	LLE / SPE extraction - reductive cleavage (ref. EPA 8270D / DIN 38407-16 / UNI EN ISO 14362-1/3)
<i>Testing equipment</i>	GC-MSMS / LC-MSMS
<i>Testing date</i>	23/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2,4,5-trimethylaniline / 2,4,5-trimethylaniline hydrochloride	137-17-7 / 21436-97-5	< LOQ	0,05
2,4-xylidine	95-68-1	< LOQ	0,05
2,6-xylidine	87-62-7	< LOQ	0,05
2-naphtylamine / 2-Naphthylammoniumacetate	91-59-8 / 553-00-4	< LOQ	0,05
3,3'-dichlorobenzidine	91-94-1	< LOQ	0,05
3,3-dimethylbenzidine	119-93-7	< LOQ	0,05
3,3'-dimethoxybenzidine	119-90-4	< LOQ	0,05
4,4'-diaminodiphenylmethane	101-77-9	< LOQ	0,05
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	< LOQ	0,05
4,4'-methylenedi-o-toluidine	838-88-0	< LOQ	0,05
4,4'-oxydianiline	101-80-4	< LOQ	0,05
4,4'-thiodianiline	139-65-1	< LOQ	0,05
4-aminobiphenyl	92-67-1	0,09	0,05
4-aminoazobenzene	60-09-3	< LOQ	0,05
4-chloroaniline	106-47-8	0,57	0,05
4-chloro-o-toluidine / 4-chloro-o-toluidinium chloride	95-69-2 / 3165-93-3	< LOQ	0,05
4-methyl-m-phenylenediamine	95-80-7	< LOQ	0,05
4-methoxy-m-phenylenediamine / 4-methoxy-m-phenylene diammonium sulphate;	615-05-4 / 39156-41-7	< LOQ	0,05
5-nitro-o-toluidine	99-55-8	< LOQ	0,05
benzidine	92-87-5	< LOQ	0,05
o-aminoazotoluene	97-56-3	< LOQ	0,05
o-anisidine	90-04-0	< LOQ	0,05
o-toluidine	95-53-4	< LOQ	0,05
p-cresidine	120-71-8	< LOQ	0,05

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

CW1265	Water: Determination of UV Absorbers *
<i>Test methods</i>	EPA 3510C:1996 + EPA 8321B:2007 - ref. DIN 54231-2022

Rev. 0 del 06/04/2020

Testing conditions LLE / SPE extraction
Testing equipment GC-MSMS / LC-MSMS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (µg/L)	LOQ (µg/L)
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	< LOQ	10
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	< LOQ	10
benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	< LOQ	10
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	< LOQ	10

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 40 di 44

Mod.018 Rev .3 del 26.10.2023

CW1000	Water quality -Determination of heavy metals
<i>Test methods</i>	EPA 200.8 1994

Rev. 0 del 06/04/2020

Testing conditions Filtered sample
Testing equipment ICP-MS
Testing date 21/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (mg/L)	LOQ (mg/L)
Antimony	7440-36-0	0,02	0,01
Selenium	7782-49-2	< LOQ	0,02
Tin*	7440-31-5	< LOQ	0,03
Barium	7440-39-3	0,06	0,03
Arsenic	7440-38-2	< LOQ	0,005
Cadmium	7440-43-9	< LOQ	0,01
Chromium	7440-47-3	0,02	0,02
Cobalt	7440-48-4	< LOQ	0,01
Copper	7440-50-8	0,02	0,01
Zinc	7440-66-6	0,27	0,05
Nickel	7440-02-0	< LOQ	0,01
Silver*	7440-22-4	< LOQ	0,005
Mercury	7439-97-6	< LOQ	0,001
Lead	7439-92-1	< LOQ	0,01

Note: LOQ: limit of quantification

* Test not accredited by ACCREDIA

Sample not cool upon arrival

TEST REPORT N° 24/41107

pag. 41 di 44

Mod.018 Rev .3 del 26.10.2023

CW0990	Water quality -Determination of Hexavalent Chromium
<i>Test methods</i>	ISO 18412:2005

Rev. 0 del 06/04/2020

Testing conditions DPC derivatisation
Testing equipment UV-VIS Spectrophotometer
Testing date 23/10/2024

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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Parameter	CAS	Result (mg/L)	LOQ (mg/L)
Chromium VI	18540-29-9	< LOQ	0,001

Note: LOQ: limit of quantification

Sample not cool upon arrival

TEST REPORT N° 24/41107

pag. 42 di 44

Mod.018 Rev .3 del 26.10.2023

CW0100	Water: sampling operation *
<i>Test method</i>	ref. to ISO 5667-13:2011

Rev. 0 del 06/04/2020

<i>Sample identification</i>	UNTREATED WASTEWATER ARTCOLOR 18/10/2024
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<i>Sampling report n.</i>	25
<i>Date of sampling</i>	18/10/2024
<i>Place of sampling</i>	Artcolor srl
<i>Sampling start time</i>	08:30
<i>Sampling end time</i>	14:30
<i>Sampled by</i>	Sampler A473SC2629074
<i>Sample type</i>	composite sample – 6h

<i>Sample properties</i>	
<i>Production process</i>	Wastewater
<i>State</i>	Liquid
<i>Temperature</i>	23,9 °C
<i>Color</i>	Dark color
<i>Odour</i>	Pungent smell
<i>Persistent foam</i>	Not visible
<i>Sample transport</i>	Refrigerated

* Test not accredited by ACCREDIA

TEST REPORT N° 24/41107

pag. 43 di 44

Mod.018 Rev .3 del 26.10.2023

UNTREATED WASTEWATER ARTCOLOR 18/10/2024



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End of Test Report