

TEST REPORT

Technical Report	1822852	01/10/2018
Date Received	30/07/2018	Page 1 of 23
Factory Company Name: Factory Address:	Texcene spa Via Eustacchio Capitanio , 9, 24004 Cene (Bg)	
Sample Type: Sample Pick Up Date: Discharge Type: Wastewater Discharge to:	Wastewater - Grab Samples Direct Discharge Factory Owned ETP	
On-Site Effluent Treatment Plant (ETP): Test Period: Testing Option:	Yes I001 Untreated Wastewater	

REMARK

Sampling was performed directly by client Sampling extraction, Cr VI and Formaldehyde test were performed at Bureau Veritas Certest srl, Via Risorgimento 16, San Miniato, Italy Instrumental tests were executed at Bureau Veritas Germany – Wilhelm-Hennemann-Str. 8 Schwerin, Germany

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Photo of the Sample



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Executive Summary

	I001
Glycols	0
Michlers base and ketone	0
Acrylonitrile and 1,3-Butadiene	0
Acrylamide	0
Bisphenol A	0
Epichlorohydrine	0
Ethylacrylate	0
Formaldehyde	0
APs and APEOs	0
SCCP	0
Heavy Metal & compounds	•
Phthalates	0
Flame Retardants	•
PAHs	•
N-nitrosamine	0
Azo Dyes	•
Organotin Compounds	0
Perfluorinated and Polyfluorinated	0
Chlorobenzenes and Chlorotoluenes	0
Chlorophenols	0
Chlorinated solvents	•
Disperse and Carcinogenic Dyes	0

Note / Key :

- • Detected
- o Not Detected

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Test Result

Glycols

Test Method / Standard:

Glycol ethers: With reference to USEPA 8270, GC-MS analysis, reporting limit: 5 mg/l

Glycols	I001 (mg/l)
Bis(2-methoxyethyl)-ether	<5 mg/l
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	<5 mg/l
2-Ethoxyethyl acetate	<5 mg/l
Ethylene glycol dimethyl ether	<5 mg/l
2-Methoxyethyl acetate (Ethylene glycol monomethyl ethyl acetate)	<5 mg/l
Triethylene glycol dimethyl ether (Triglyme)	<5 mg/l
Ethylene glycol	<5 mg/l
1,2-Diethoxyethane	<5 mg/l
2-Methoxyethanol (Ethylene glycol monomethyl ether)	<5 mg/l

Michlers base and ketone

Test Method / Standard:

Michlers base and ketone: With reference to EPA 8270D, LC-MS analysis, reporting limit: 50 µg/l

Michlers base and ketone	I001 (ug/l)
Michler's base (N,N,N',N'-tetramethyl-	<50 µg/l
4,4'methylenedianiline)	
Michler's ketone (4,4'-	<50 µg/l
bis(dimethylamino)benzophenone)	

Acrylonitrile and 1,3-Butadiene

Test Method / Standard:

Acrylonitrile and 1,3-Butadiene: With reference to USEPA 8260B, GC-MS analysis, reporting limit: 0.01 µg/ml

Acrylonitrile and 1,3-Butadiene	I001 (ug/l)
Acrylonitrile	<0.01 µg/ml
1,3-Butadiene	<0.01 µg/ml

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Acrylamide

Test Method / Standard:

Acrylamide: With reference to USEPA 8032A, LC-MS analysis, reporting limit: 50 µg/l

Acrylamide	I001 (ug/l)
Acrylamide	$< 50 \mu g/l$

Bisphenol A

Test Method / Standard:

Bisphenol A: With reference to ASTM International Standard ASTM D7065, LC-QQQ analysis, reporting limit: 5 µg/l

Bisphenol A	I001 (ug/l)
Bisphenol A	<5 µg/l

Epichlorohydrine

Test Method / Standard:

Epichlorohydrine content: With reference to USEPA 8260B, GC-MS analysis, reporting limit: 0.1 µg/ml

Epichlorohydrine content	I001 (ug/ml)
Epichlorohydrine	<0.1 µg/ml

Ethylacrylate

Test Method / Standard:

Ethylacrylate: BVCPS inhouse method, GC-MS analysis, reporting limit: 0.1 µg/ml

Epichlorohydrine content	I001 (ug/ml)
Ethylacrylate	<0.1 µg/ml

Formaldehyde

Test Method / Standard:

Formaldehyde: inhouse metho UV-VS, reporting limit: 1 mg/l

Formaldehyde content	I001 (mg/l)
Formaldehyde	<1 mg/ml

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APs and APEOs

Test Method / Standard:

Alkylphenol
s & Alkylphenolethoxylates: With reference to ASTM International Standard ASTM D
7065, reporting limit: 1 $\mu g/l$

APs and APEOs	I001 (ug/l)
Octylphenol OP, mixed isomers	$<1 \ \mu g/l$
Nonylphenol NP	<1 µg/l
Octyphenol monoethoxylates (OPEO n=1)	<1 µg/l
Octylphenolethoxylates (OPEO n=2 to n=18)	<1 µg/l
Nonylphenol monoethoxylates (NPEO n=1	<1 µg/l
Nonylphenolethoxylates (NPEO n=2 to n=18)	$<1 \ \mu g/l$

SCCP

Test Method / Standard:

Short Chain Chlorinated Paraffins: With reference to International Standard ISO 12010, reporting limit: 0.4 µg/l

SCCP	I001 (ug/l)
Short chained chlorinated paraffines, C10-C13	<0.4 µg/l

Heavy Metals

Test Method / Standard:

Heavy metals, total content & Chromium VI: With reference to U.S. EPA 3015A, with reference to U.S. EPA 6020A and with reference to U.S. EPA 7196A, reporting limits: Cd: $0.1 \mu g/l$, B: $5 \mu g/l$, Hg: $0.05 \mu g/l$, Each (Others): $1 \mu g/l$

Heavy metals	I001 (ug/l)
Cadmium (Cd)	0.264 µg/l
Chromium (Cr)	23.6 µg/l
Lead (Pb)	4.23 μg/l
Mercury (Hg)	0.137 µg/l
Chromium VI	<1 µg/l

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<u>Metals</u>

Test Method / Standard:

Heavy metals, total content & Chromium VI: With reference to U.S. EPA 3015A, with reference to U.S. EPA 6020A and with reference to U.S. EPA 7196A, reporting limits metals: 0.001 mg/l; reporting limits metal compounds: 0.05 mg/l;

Heavy metals	I001 (mg/l)
Antimony (Sb)	109 mg/l
Antimony compounds (come Sb)	109 mg/l
Arsenic	2.21 mg/l
Arsenic compounds (come As)	2.21 mg/l
Cobalt (Co)	11.4 mg/l
Cobalt compounds (Co)	11.4 mg/l
Nickel (Ni)	110 mg/l
Nickel compounds (as Ni)	110 mg/l

Phthalates

Test Method / Standard:

Phthalates: With reference to USEPA 8270D, reporting limit: 1 μ g/L

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Phthalates	I001 (ug/L)
Benzylbutylphthalate (BBP)	<1 µg/l
Dibutylphthalate (DBP)	<1 µg/l
Di(2-ethylhexyl)phthalate (DEHP)	<1 µg/l
Di-n-octylphthalate (DNOP)	<1 µg/l
Di-iso-nonylphthalate (DINP)	<1 µg/l
Di-iso-decylphthalate (DIDP)	<1 µg/l
Diethylphthalate (DEP)	<1 µg/l
Di-n-propylphthalate (DPRP)	<1 µg/l
Di-iso-butylphthalate (DIBP)	<1 µg/l
Dicyclohexylphthalate (DCHP)	<1 µg/l
Di-n-hexylphthalate (DnHP)	<1 µg/l
Dinonylphthalate (DNP)	$<1 \ \mu g/l$
Di-iso-octylphthalate (DIOP)	<1 µg/l
Bis(2-methoxyethyl)phthalate (DMEP)	<1 µg/l
1,2-Benzenedicarboxylic acid, di C6-8 branched alkyl esters, C7-rich (DIHP)	<1 µg/l
1,2-Benzenedicarboxylic acid, di C7-11- branched and linear alkyl esters (DHNUP)	<1 µg/l
Di-n-pentylphthalate (DnPP)	<1 µg/l
Di-iso-pentylphthalate (DiPP)	<1 µg/l
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear (DHP)	<1 µg/l
Diisohexylphthalate (DIHxP)	<1 µg/l
1,2-benzenedicarboxylic acid, di C6-10-alkyl esters	$<1 \ \mu g/l$
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl di esters with $\geq 0.3\%$ of dehexylphthalate (EC 201-559-5)	<1 µg/l

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Flame retardants

Test Method / Standard:

Flame retardants: With reference to U.S. EPA 527 and with reference to U.S. EPA 8321B

Flame retardants	I001 (ug/l)
Monobromodiphenylether (MonoBDE)	$<5\mu\text{g/l}$
Dibromodiphenylether (DiBDE)	$<5 \ \mu g/l$
Tribromodiphenylether (TriBDE)	$<5 \ \mu g/l$
Tetrabromodiphenylether (TetraBDE)	$<5 \ \mu g/l$
Pentabromodiphenylether (PentaBDE)	$<5 \ \mu g/l$
Hexabromodiphenylether (HexaBDE)	$<5 \ \mu g/l$
Heptabromodiphenylether (HeptaBDE)	$<5 \ \mu g/l$
Octabromodiphenylether (OctaBDE)	$<5 \ \mu g/l$
Nonabromodiphenylether (NonaBDE)	$<5 \ \mu g/l$
Decabromodiphenylether (DecaBDE)	$<5 \ \mu g/l$
Tris-(2,3-dibromopropyl)phosphate (TRIS)	$<5 \ \mu g/l$
Tris (2-chloroethyl)phosphate (TCEP)	$<5 \ \mu g/l$
Hexabromocyclododecane (HBCDD)	$<5 \ \mu g/l$
Tetrabromobisphenol A (TBBPA)	$<5 \mu g/l$
Bis (2,3-dibromopropyl) phosphate (BIS)	$<5 \ \mu g/l$
Tris (2-chloroisopropyl) phosphate (TCPP)	$<5 \mu\text{g/l}$
Tris (1,3-Dichloroisopropyl)phosphate (TDCP)	$<5 \ \mu g/l$
Calculation to Boric acid theoretical	2080 µg/l
Calculation to Diboron trioxide theoretical	1690 µg/l
Calculation to Sodium tetraborate theoretical	3350 µg/l
Calculation to Sodium perborate tetrahydrate theoretical	5150 µg/l
Calculation to Sodium perborate monohydrate theoretical	5150 µg/l
Calculation to Di Sodium tetraborate n hydrate theoretical	1990 µg/l
Calculation to Orthoboric acid, sodium salt theoretical	4280 µg/l
Calculation to Borate, zinc salt theoretical	5260 µg/l

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PAHs

Test Method / Standard:

Determination of PAH: With reference to USEPA 8270, DIN 38407-39

PAHs	I001 (ug/L)
Acenapthene	<0.1 µg/l
Acenaphtylene	<0.1 µg/l
Anthracene	<0.1 µg/l
Benzo (a) anthracene	<0.1 µg/l
Benzo (b) fluoranthene	<0.1 µg/l
Benzo (j) fluoranthene	<0.1 µg/l
Benzo (k) fluoranthene	<0.1 µg/l
Benzo (a) pyrene	<0.1 µg/l
Benzo (e) pyrene	<0.1 µg/l
Benzo (g,h,i) perylene	<0.1 µg/l
Chrysene	<0.1 µg/l
Dibenzo (a,h) anthracene	<0.1 µg/l
Fluoranthene	<0.1 µg/l
Fluorene	<0.1 µg/l
Indeno (1,2,3-cd) pyrene	<0.1 µg/l
Napthalene	0.2 µg/l
Phenanthrene	<0.1 µg/l
Pyrene	<0.1 µg/l

N-nitrosamines

Test Method / Standard:

N-nitrosamines: BVCPS inhouse method, LC-MS analysis, reporting limit: $10 \, \mu g/l$

N-nitrosamines	I001 (ug/l)
N-nitrosodimethylamine (NDMA)	<10 µg/l
N-nitrosodibutylamine (NDBA)	<10 µg/l

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N-nitrosamines	I001 (ug/l)
N-nitrosodiethylamine (NDEA)	<10 µg/l
N-nitrosopiperidine (NPIP)	<10 µg/l
N-nitrosopyrrolidine (NPYR)	<10 µg/l
N-nitrosomorpholine (NMOR)	<10 µg/l
N-nitroso N-methyl N-phenylamine (NMPhA)	<10 µg/l
N-nitroso N-ethyl N-phenylamine (NEPhA)	<10 µg/l
N-nitrosodiethanolamine (NDELA)	<10 µg/l
N-nitrosomethyethylamine (NMEA)	<10 µg/l
N-nitrosodiphenylamine (NDPhA)	<10 µg/l
N-nitrosodi-n-propylamine (NDPA)	<10 µg/l
N-methyl-N'-nitro-N-nitrosoguanidine	<10 µg/l
p-Nitrosodiphenylamine	<10 µg/l

Azo Dyes

Test Method / Standard:

Azo dyes/Arylamines: With reference to German Standard DIN 38407-16 and with reference to European Standard EN 14362-1 incorporating Corrigendum, reporting limit: 0.1 µg/l

p-Aminoazobenzene is tested when Aniline and/or 1,4-Phenylenediamine is detected.

p-Aminoazobenzene: With reference to German Standard DIN 38407-16 and with reference to European Standard EN 14362-3, reporting limit: 0.1 µg/Ll

Azo Dyes	I001 (ug/l)
4,4`-Methylene-bis-(2-chloro-aniline)	<0.1 µg/l
4,4'-methylenedianiline	<0.1 µg/l
4,4`-Oxydianiline	<0.1 µg/l
4-Chloroaniline	0.16 µg/l
1,4-Phenylenediamine	<0.1 µg/l
3,3`-Dimethoxybenzidine	<0.1 µg/l
3,3°-Dimethylbenzidine	<0.1 µg/l
6-methoxy-m-toluidine (p-Cresidine)	<0.1 µg/l
2,4,5-Trimethylaniline	<0.1 µg/l
4,4°-Thiodianiline	<0.1 µg/l

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Azo Dyes	I001 (ug/l)
4-Aminoazobenzene	<0.1 µg/l
4-Methoxy-m-phenylenediamine / 2,4-Diaminoanisole	<0.1 µg/l
Aniline	$<0.1 \ \mu g/l$
4,4`-Methylene-di-o-toluidine / 3,3'-Dimethyl-4,4'- diaminodiphenylmethane	<0.1 µg/l
2,6-Xylidine	<0.1 µg/l
o-Anisidine	$<0.1 \ \mu g/l$
2-Naphthylamine	<0.1 µg/l
3,3 [°] -Dichlorobenzidine	$<0.1 \ \mu g/l$
4-Aminodiphenyl	$<0.1 \ \mu g/l$
Benzidine	<0.1 µg/l
o-Toluidine	<0.1 µg/l
2,4-Xylidine	$<0.1 \ \mu g/l$
4-Chloro-o-toluidine	$< 0.1 \ \mu g/l$
4-Methyl-m-phenylenediamine	<0.1 µg/l
o-Aminoazotoluene	$<\!0.1 \mu g/l$
5-nitro-o-toluidine	$< 0.1 \ \mu g/l$

Organotin Compounds

Test Method / Standard:

Tinorganic compounds: With reference to European Standard EN ISO 17353, reporting limits: DBB: 5 μ g/l, Each (Others): 0.01 μ g/l

Organotin Compounds	<u>1001 (ug/l)</u>
Monobutyltin (MBT)	<0.01 µg/l
Dibutyltin (DBT) / Dibutyltin chloride (DBTC)	<0.01 µg/l
Dibutyltin hydrogen borate (DBB) (Reported as B and DBT)	<5 µg/l
Tributyltin (TBT) / Bis(Tributyltin) oxide (TBTO)	<0.01 µg/l
Tetrabutyltin (TeBT)	<0.01 µg/l
Monooctyltin (MOT)	<0.01 µg/l

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Organotin Compounds	<u> 1001 (ug/l)</u>
Dioctyltin (DOT)	<0.01 µg/l
Trioctyltin (TOT)	<0.01 µg/l
Dipropyltin (DPT)	<0.01 µg/l
Tripropyltin (TPT)	<0.01 µg/l
Phenyltin (PhT)	<0.01 µg/l
Diphenyltin (DPhT)	<0.01 µg/l
Triphenyltin (TPhT)	<0.01 µg/l
Monomethyltin (MeT) / Monomethyltintrichloride (MeTCl)	<0.01 µg/l
Dimethyltin (DMeT)	<0.01 µg/l
Trimethyltin (TMeT)	<0.01 µg/l
Tetraethyltin (TeEtT) / Triethyltin (TEtT)	<0.01 µg/l
Tricyclohexyltin (TCyHT)	<0.01 µg/l

Perfluorinated and Polyfluorinated Chemicals

Test Method / Standard:

Perfluorinated and polyfluorinated compounds (PFC's): BVCPS Inhouse method and analysis with Liquid Chromatograph Mass Spectrometer (LC-MS), reporting limit: PFOS & PFOA: $0.01 \mu g/l$, other: $0.5 \mu g/l$

Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
Perfluorooctanoic acid (PFOA)	<0.01 µg/l
Perfluorooctane sulfonate (PFOS) / Perfluorooctanesulfonyl fluoride (POSF / PFOF)	<0.01 µg/l
Perfluorohexanoic acid (PFHxA)	<0.5 µg/l
Perfluorobutanoic acid (PFBA)	<0.5 µg/l
Perfluoroheptanoic acid (PFHpA)	<0.5 µg/l
Perfluorodecanoic acid (PFDA)	<0.5 µg/l

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Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
Perfluorononanoic acid (PFNA)	<0.5 µg/l
Perfluorooctane sulfonamide (PFOSA)	<0.5 µg/l
Perfluorododecanoic acid (PFDoA)	<0.5 µg/l
Perfluorotridecanoic acid (PFTrA)	<0.5 µg/l
Perfluorotetradecanoic acid (PFTeA)	<0.5 µg/l
Perfluoropentanoic acid (PFPeA)	<0.5 µg/l
Perfluoroundecanoic acid (PFUnA)	<0.5 µg/l
Perfluorobutanesulfonic acid (PFBS)	<0.5 µg/l
Perfluorohexanesulfonic acid (PFHxS)	<0.5 µg/l
Perfluoro-1-heptanesulfonic acid (PFHpS)	<0.5 µg/l
Perfluorodecanesulfonic acid (PFDS)	<0.5 µg/l
2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol (N- EtFOSE)	<0.5 µg/l
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	<0.5 µg/l
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	<0.5 µg/l
2-(N-methylperfluoro-1-octanesulfonamide)-ethanol (N-MeFOSE)	<0.5 µg/l
2-Perfluorobutylethanol (FTOH 4-2)	<0.5 µg/l
2-Perfluorohexylethanol (FTOH 6-2)	<0.5 µg/l
2-Perfluorooctylethanol (FTOH 8-2)	<0.5 µg/l
2-Perfluorodecylethanol (FTOH 10-2)	<0.5 µg/l
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	<0.5 µg/l

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his report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.eps.bureauveritas.com und is intended for your exclusive use. Any copying or replication of this report or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples is dentified herein. The results set forth in this report are not andicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from late of issuance of this report to notify us of any material error or omission caused by your negligence; provided, however, that such notice shall be in writing and shall pecifically address the issue you wish to mise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
2H,2H,3H,3H-Perfluoroundecanoic acid	<0.5 µg/l
perfluoro-3,7-dimethyloctanoate (PF-3,7-DMOA)	<0.5 µg/l
7H-dodecafluoroheptanoate (HPFHpA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 6:2)	<0.5 µg/l

Chlorobenzenes and Chlorotoluenes

Test Method / Standard:

Chlorobenzenes and Chlorotoluenes: Reference to EPA 8260B & EPA 8270D, reporting limit: $0.02 \ \mu$ g/L

Chlorobenzenes and Chlorotoluenes	I001 (ug/l)
Chlorobenzene	<0.02 µg/l
1,2-Dichlorobenzene	<0.02 µg/l
1,3-Dichlorobenzene & 1,4-Dichlorobenzene	<0.02 µg/l
1,2,3-Trichlorobenzene	<0.02 µg/l
1,2,4-Trichlorobenzene	<0.02 µg/l
1,3,5-Trichlorobenzene	<0.02 µg/l
1,2,3,4-Tetrachlorobenzene	<0.02 µg/l
1,2,3,5-Tetrachlorobenzene	<0.02 µg/l
1,2,4,5-Tetrachlorobenzene	<0.02 µg/l
Pentachlorobenzene	<0.02 µg/l
Hexachlorobenzene	<0.02 µg/l
α,α,α,4-Tetrachlorotoluene	<0.02 µg/l
Benzotrichloride	<0.02 µg/l
Benzyl chloride (α-Chlorotoluene)	<0.02 µg/l

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Chlorophenols

Test Method / Standard:

Chlorophenols: With reference to EPA 8270D, reporting limit: $0.5 \,\mu g/l$

Chlorophenols	I001 (ug/l)
2-Chlorophenol	<0.5 µg/l
3-Chlorophenol	<0.5 µg/l
4-Chlorophenol	<0.5 µg/l
2,3-Dichlorophenol	<0.5 µg/l
3,5&2,4&2,5&2,6-Dichlorophenol	<0.5 µg/l
2,3,5-Trichlorophenol	<0.5 µg/l
2,3,6&2,4,5-Trichlorophenol	<0.5 µg/l
2,4,6-Trichlorophenol	<0.5 µg/l
3,4,5& 2,3,4-Trichlorophenol	<0.5 µg/l
2,3,4,5-Tetrachlorophenol	<0.5 µg/l
2,3,4,6-Tetrachlorophenol	<0.5 µg/l
2,3,5,6-Tetrachlorophenol	<0.5 µg/l
Pentachlorophenol (PCP)	<0.5 µg/l
Tetrachlorophenol (TeCP)	<0.5 µg/l

Chlorinated solvents

Test Method / Standard:

Chlorinated Solvents: With reference to U.S. EPA 8260B, reporting limit: 1 µg/l

Chlorinated solvents	I001 (ug/l)
1,1-Dichloroethylene	<1 µg/l
1,2-Dichloroethane	<1 µg/l
cis-1,2-Dichloroethylene	<1 µg/l
trans-1,2-Dichloroethylene	<1 µg/l
1,1,1-Trichloroethane	$<1 \ \mu g/l$
1,1,2-Trichloroethane	<1 µg/l

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Trichloroethylene	<1 µg/l
1,1,1,2-Tetrachloroethane	<1 µg/l
Chloroform	69 µg/l
Carbon tetrachloride	$<1 \ \mu g/l$
Methylene chloride	21 µg/l
Tetrachloroethylene	<1 µg/l
1,2-Dibromoethane	<1 µg/l
1-Bromopropane (n-Propyl bromide)	<1 µg/l
Vinyl chloride	<1 µg/l
Ethylbenzene	<1 µg/l
Benzene	<1 µg/l
Hexachlorobutadiene	$<1 \ \mu g/l$

Disperse and Carcinogenic Dyes

Test Method / Standard:

Carcinogenic Dyes and Allergenic Disperse Dyes: BVCPS Inhouse method and analysis by Liquid Chromatograph Mass Spectrometer (LC-MS), reporting limit: 50 µg/l

Disperse and Carcinogenic Dyes	I001 (ug/l)
Disperse dyes - Disperse Yellow 1 (119-15-3)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 35 (12222-75-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 102 (12222-97-8/69766- 79-6)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 106 (12223-01-7)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 39 (12236-29-2)	$< 50 \ \mu g/l$
Disperse dyes - Orange 37 / 76 (13301-61-6)	< 50 µg/l
Carcinogenic dyestuffs - Direct Brown 95 (16071-86-6)	< 50 µg/l
Carcinogenic dyestuffs - Acid Violet 49 (1694-09-3)	< 50 µg/l
Carcinogenic dyestuffs - Direct Black 38 (1937-37-7)	< 50 µg/l

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Disperse and Carcinogenic Dyes	I001 (ug/l)
Disperse dyes - Disperse Brown 1 (23355-64-8)	< 50 µg/l
Carcinogenic dyestuffs - Direct Blue 15 (2429-74-5)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Green 4 (2437-29-8, 569- 64-2, 10309-95-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 1 (2475-45-8)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 3 (2475-46-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Blue 26 (2580-56-5)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Orange 1 (2581-69-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Blue 6 (2602-46-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 3 (2832-40-8)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Blue 218 (28407-37-6)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 11 (2872-48-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 1 (2872-52-8)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 17 (3179-89-3)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 7 (3179-90-6)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Acid Red 26 (3761-53-3)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 26 (3860-63-7)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 49 (54824-37-2)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Red 9 (569-61-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Red 28 (573-58-0)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 1 (60-09-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 2 (60-11-7)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 124 (61951-51-7)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Yellow 23 (6250-23-3)	$< 50 \ \mu g/l$

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Disperse and Carcinogenic Dyes	I001 (ug/l)
Carcinogenic dyestuffs - Basic Violet 14 (632-99-5)	< 50 µg/l
Disperse dyes - Disperse Yellow 9 (6373-73-5)	< 50 µg/l
Carcinogenic dyestuffs - Acid Red 114 (6459-94-5)	< 50 µg/l
Disperse dyes - Disperse Orange 3 (730-40-5)	< 50 µg/l
Carcinogenic dyestuffs - Basic Violet 1 (8004-87-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Orange 11 (82-28-0)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 14 (842-07-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Orange 149 (85136- 74-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 3 (97-56-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs –Basic Green 4 leuco base (129- 73-7)	< 50 µg/l

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Parameters & CAS No.

azotoluene (97-56-3) p-toluidine (99-55-8) nol A ol A (80-05-7)	
nol A	
ol A (80-05-7)	(CAS No.)
enzenes and Chlorotoluenes	(CAS No.)
hloride (a-chlorotoluene) (100-44-7)	
chlorobenzene (108-70-3)	
lorobenzene (108-90-7)	
orobenzene (118-74-1)	
ichlorobenzene (120-82-1)	
trotoluene (121-14-2)	
Tetrachiorotoluene (5218-25-1)	
4-Dichlorobenzene (541-73-1, 108-46-7)	
Pentachlorobenzene (608-93-5) 1,2,3,4-Tetrachlorobenzene (634-66-2)	
ichlorobenzene (87-61-6)	
1,2-Dichlorobenzene (95-50-1)	
chloride (98-07-7)	
bhenols	(CAS No.)
ophenol (106-48-9)	
ophenol (108-43-0)	
4 & 2,5 & 2,6-Dichlorophenol (120-83-2, 583-7)	8-8.
. 591-35-5)	
Tetrachlorophenol (2,3,4,5-TeCP) (4901-51-3)	
lorophenol (576-24-9)	
Tetrachlorophenol (2,3,4,6-TeCP) (58-90-2)	
o-3-methylphenol (59-50-7)	
2,3,4-Trichlorophenol (609-19-8, 15950-66-0)	
Pentachlorophenol (PCP) (87-86-5)	
2,4,6-Trichlorophenol (2,4,6-TCP) (88-06-2)	
(3.3'-Dimethyl-4,4'-diaminodiphenylmethane) (838-88-0) 2,3,6 & 2,4,5-Tichlorophenol (2,3,6 & 2,4,5-TCP) (93) 2,6-Xylidine (87-62-7) 95-95-4)	
nisidine (90-04-0) 2,3,5-Trichlorophenol (2,3,5-TCP) (933-78-8) 2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP) (935-95-5) 2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP) (935-95-5)	
2,3,5,0-1 etrachiorophenol (2,3,5,0-1 eCP) (835-85-5) 2-Chlorophenol (95-57-8)	
2-Chiorophenol (95-07-8) 3,4-Dichlorophenol (95-77-2)	
	(CAS No.)
ained chlorinated paraffines, C10-C13 (85535	-84-8)
genic Dyes and Allergenic Disperse Dyes	(CAS No.)
24 19 10 10 10 15	26, 20
ch	Chain Chlorinated Paraffins chained chlorinated paraffines, C10-C13 (85535 nogenic Dyes and Allergenic Disperse Dyes rse dyes - Disperse Yellow 1 (119-15-3)

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Disperse dyes - Disperse Blue 35 (12222-75-2) (CAS No.) Flame retardants Disperse dyes - Disperse Blue 102 (12222-97-8/69766-79-6) Calculation to Boric acid theoretical * (10043-35-3) Disperse dyes - Disperse Blue 106 (12223-01-7) Monobromodiphenylether (MonoBDE) (101-55-3) Disperse dyes - Disperse Yellow 39 (12236-29-2) Calulation to Sodium perborate monohydrate theorectical * Disperse dyes - Orange 37 / 76 (13301-61-6) (10332-33-9, 12040-72-1, 15120-21-5, 11138-47-9) Carcinogenic dyestuffs - Direct Brown 95 (16071-86-6) Calulation to Sodium perborate tetrahydrate theorectical * (10486-00-7, 11138-47-9, 13517-20-9) Carcinogenic dyestuffs - Acid Violet 49 (1694-09-3) Tris(2-chlorethyl)phosphat (TCEP) (115-96-8) Carcinogenic dyestuffs - Direct Black 38 (1937-37-7) Decabromodiphenylether (DecaBDE) (1163-19-5) Disperse dyes - Disperse Brown 1 (23355-64-8) Calculation to Sodium tetraborate theorectical * (12179-04-3, Carcinogenic dyestuffs - Direct Blue 15 (2429-74-5) 1303-96-4, 1330-43-4) Carcinogenic dyestuffs - Basic Green 4 (2437-29-8, 569-64-2, 10309-95-2) Calulation to Di sodium tetraborate n hydrate theorectical * (12267-73) Carcinogenic dyestuffs - Disperse Blue 1 (2475-45-8) Tris-(2,3-dibromopropyl) phosphate (TRIS) (126-72-7) Carcinogenic dyestuffs - Disperse Blue 3 (2475-46-9) Calculation to Diboron trioxide theoretical * (1303-86-2) Carcinogenic dyestuffs - Basic Blue 26 (2580-56-5) Calculation to Borate, zinc salt theoretical * (1332-07-6) Disperse dyes - Disperse Orange 1 (2581-69-3) Hexabromocyclododecane (HBCDD) (134237-50-6, 134237-51-7, Carcinogenic dyestuffs - Direct Blue 6 (2602-46-2) 134237-52-8, 25637-99-4, 3194-55-6) Carcinogenic dyestuffs - Disperse Yellow 3 (2832-40-8) Tris (2-chloroisopropyl) phosphate (TCPP) (13674-84-5) Carcinogenic dyestuffs - Direct Blue 218 (28407-37-6) Tris(1,3-Dichloroisopropyl)Phosphate (TDCP) (13674-87-8) Disperse dyes - Disperse Red 11 (2872-48-2) Calculation to Orthoboric acid, sodium salt theoretical * Disperse dyes - Disperse Red 1 (2872-52-8) (13840-56-7) Disperse dyes - Disperse Red 17 (3179-89-3) Pentabromodiphenylether (PentaBDE) (32534-81-9) Disperse dyes - Disperse Blue 7 (3179-90-6) Octabromodiphenylether (OctaBDE) (32536-52-0) Carcinogenic dyestuffs - Acid Red 26 (3761-53-3) Hexabromodiphenylether (HexaBDE) (36483-60-0) Disperse dyes - Disperse Blue 26 (3860-63-7) Tetrabromodiphenylether (TetraBDE) (40088-47-9) Disperse dyes - Disperse Yellow 49 (54824-37-2) Tribromodiphenylether (TriBDE) (49690-94-0) Carcinogenic dyestuffs - Basic Red 9 (569-61-9) Dibromodiphenylether (DiBDE) (53563-56-7) Carcinogenic dyestuffs - Direct Red 28 (573-58-0) Bis(2,3-dibromopropyl) phosphate (BIS) (5412-25-9) Carcinogenic dyestuffs - Solvent Yellow 1 (60-09-3) Nonabromodiphenylether (NonaBDE) (63936-56-1) Carcinogenic dyestuffs - Solvent Yellow 2 (60-11-7) Heptabromodiphenylether (HeptaBDE) (68928-80-3) Disperse dyes - Disperse Blue 124 (61951-51-7) Boron (B), total content (7440-42-8) Carcinogenic dyestuffs - Disperse Yellow 23 (6250-23-3) Tetrabromobisphenol A (TBBPA) (79-94-7) Carcinogenic dyestuffs - Basic Violet 14 (632-99-5) Glycols (CAS No.) Disperse dyes - Disperse Yellow 9 (6373-73-5) Ethylene glycol (107-21-1) Carcinogenic dyestuffs - Acid Red 114 (6459-94-5) 2-Methoxyethanol (Ethylene glycol monomethyl ether) (109-86-4) Disperse dyes - Disperse Orange 3 (730-40-5) Carcinogenic dyestuffs - Basic Violet 1 (8004-87-3) 2-Methoxyethyl acetetate (Ethylene glycol monomethyl ethyl Carcinogenic dyestuffs - Disperse Orange 11 (82-28-0) acetate) (110-49-6) Carcinogenic dyestuffs - Solvent Yellow 14 (842-07-9) Ethylene glycol dimethyl ether (110-71-4) Carcinogenic dyestuffs - Disperse Orange 149 (85136-74-9) 2-Ethoxyethanol (Ethylene glycol monoethyl ether) (110-80-5) Carcinogenic dyestuffs - Solvent Yellow 3 (97-56-3) 2-Ethoxyethyl acetate (111-15-9) (CAS No.) Bis(2-methoxyethyl)-ether (111-96-6) Epichlorohydrine content Epichlorohydrine (106-89-8) Triethylene glycol dimethyl ether (Triglyme) (112-49-2) 1,2-Diethoxyethane (629-14-1) (CAS No.) Ethylacrylate Heavy metals, total content & Chromium VI (CAS No.) Ethylacrylate (140-88-5)

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12	Chargene (210.01.0)	
	Chrysene (218-01-9) Benzo (a) pyrene (50-32-8)	
	Dibenzo (a,h) anthracene (53-70-3) Benzo (a) anthracene (56-55-3)	
	Acenaphtene (83-32-9)	
(CAS No.)	Phenanthrene (85-01-8)	
	Fluorene (86-73-7)	
	Naphthalene (91-20-3)	
	Perfluorinated and polyfluorinated compounds (CAS No.) (PFC's)	
	7H-dodecafluoroheptanoate (HPFHpA) (1546-95-8)	
	2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol (N-EtFOSE) (1691-99-2)	
	perfluoro-3,7-dimethyloctanoate (PF-3,7-DMOA) (172155-07-8)	
(CAS No.)	pendero o, antenjostancare (r r e, r emory (r r r e) or	
lianiline)	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) (17527-29-6)	
one) (90-94-8)	Perfluorooctane sulfonate (PFOS) / Perfluorooctanesulfonyl fluoride (POSF / PFOF) (1763-23-1, 56773-72-3, 307-35-7)	
	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) (17741-60-5)	
(CAS No.)		
	2-Perfluorobutylethanol (FTOH 4-2) (2043-47-2)	
	Perfluoroundecanoic acid (PFUnA) (2058-94-8)	
	2-(N-methylperfluoro-1-octanesulfonamide)-ethanol (N-MeFOSE) (2448-09-7)	
	Perfluoropentanoic acid (PFPeA) (2706-90-3)	
	1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 8:2)	
	(27619-97-2)	
)	1H, 1H, 2H, 2H-Perfluorodecylacrylate (8:2 FTA) (27905-45-9)	
(6-	Perfluorohexanoic acid (PFHxA) (307-24-4)	
	Perfluorododecanoic acid (PFDoA) (307-55-1)	
	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	
	(31508-32-8)	
	Perfluorooctanoic acid (PFOA) (335-67-1)	
	Perfluorodecanoic acid (PFDA) (335-76-2)	
	Perfluorodecanesulfonic acid (PFDS) (335-77-3, 2808-15-7)	
(CAS No.)	2H,2H,3H,3H-Perfluoroundecanoic acid (34598-33-9)	
	Perfluorohexanesulfonic acid (PFHxS) (355-46-4, 3871-99-8)	
	Perfluorobutancic acid (PFBA) (375-22-4)	
	Perfluorobutanesulfonic acid (PFBS) (375-73-5, 29420-49-3)	
	Perfluoroheptanoic acid (PFHpA) (375-85-9)	
	Perfluorononanoic acid (PFNA) (375-95-1)	
	Perfluorotetradecanoic acid (PFTeA) (376-06-7)	
	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) (4151-50-2)	
	Perfluoro-1-heptanesulfonic acid (PFHpS) (60270-55-5, 375-92-8)	
	(CAS No.) (CAS No.)	

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2-Perfluorooctylethanol (FTOH 8-2) (678-39-7)	
Perfluorotridecanoic acid (PFTrA) (72629-94-8)	
Perfluorooctane sulfonamide (PFOSA) (754-91-8)	
2-Perfluorodecylethanol (FTOH 10-2) (865-86-1)	
Phthalates	(CAS No.)
Di(2-ethylhexyl)phthalate (DEHP) (117-81-7)	
Bis(2-methoxyethyl) phthalate (DMEP) (117-82-8)	
Di-n-octylphthalate (DNOP) (117-84-0)	
Di-n-propylphthalate (DPRP) (131-16-8)	
Di-n-pentylphthalate (DnPP) (131-18-0)	
Di-iso-octylphthalate (DIOP) (1330-91-2)	
Di-iso-decylphthalate (DIDP) (26761-40-0, 68515-49-1)	
Di-iso-nonylphthalate (DINP) (28553-12-0, 68515-48-0)	
Di-iso-pentylphthalate (DiPP) (605-50-5)	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and li esters (DHNUP) -> determinated as Diundecylphthalate (88515-42-4, 3648-20-2)	
1,2-Benzenedicarboxylic acid, dihexylester, branched ar (DHP) (68515-50-4)	nd linear
1,2-benzenedicarboxylic acid, di-C8-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl an esters with ≥0.3% of dehexylphthalate (EC 201-559-5) (88515-51-5 and 68648-93-1)	id octyl di
Diisohexylphthalate (DIHxP) (71850-09-4)	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl e: C7-rich (DIHP) (71888-89-6)	sters,
n-Pentyl-iso-pentylphthalate (PiPP) (776297-69-9)	
Dicyclohexylphthalate (DCHP) (84-61-7)	
Diethylphthalate (DEP) (84-66-2)	
Di-iso-butylphthalate (DIBP) (84-69-5)	
Dibutylphthalate (DBP) (84-74-2)	
Di-n-hexylphthalate (DnHP) (84-75-3)	
Dinonylphthalate (DNP) (84-76-4)	
Benzylbutylphthalate (BBP) (85-68-7)	
Chlorinated Solvents	(CAS No.)
Ethylbenzene (100-41-4)	
1,2-Dibromoethane (106-93-4)	
1-Bromopropane (n-Propyl bromide) (106-94-5)	
1,2-Dichloroethane (107-06-2)	
Tetrachloroethylene (127-18-4)	
cis-1,2-Dichloroethylene (156-59-2)	
trans-1,2-Dichloroethylene (156-60-5)	
trans-1,2-Dichloroethylene (158-60-5) Carbon tetrachloride (56-23-5)	
Carbon tetrachloride (56-23-5)	

1,1,1-Trichloroethane (71-55-6)		
Vinyl chloride (75-01-4)		
Methylene chloride (75-09-2)		
1,1-Dichloroethylene (75-35-4)		
1,1,2-Trichloroethane (79-00-5)		
Trichloroethylene (79-01-6)		
Hexachlorobutadiene (87-68-3)		
Tinorganic compounds	(CAS No.)	
Trioctyltin (TOT) (.nonexistent-)		
Dibutyltin (DBT) / Dibutyltin chloride (DBTC) (10	002-53-5, 683-18-1)	
Diphenyltin (DPhT) (1011-95-6)		
Trimethyltin (TMeT) (1068-45-1)	(TMeT) (1068-45-1)	
Monobutyltin (MBT) (1118-46-3)		
Phenyltin (PhT) (1124-19-2)		
Tetrabutyltin (TeBT) (1461-25-2)		
anoactyltin (MOT) (15231-44-4)		
Tricyclohexyltin (TCyHT) (3091-32-5)		
Tributyltin (TBT) / Bis(Tributyltin) axide (TBTO) 56-35-9)	(56573-85-4,	
Tetraethyltin (TeEtT) / Triethyltin (TEtT) (597-64	4-8)	
Triphenyltin (TPhT) (639-58-7)	ware of	
Dibutyltin hydrogen borate (DBB) (Reported as (75113-37-0)	B and DBT)	
Dimethyltin (DMeT) (753-73-1)		
Dipropyltin (DPT) (867-36-7)		
Dioctyltin (DOT) (94410-05-6)		
Tripropyltin (TPT) (nonexistent)		
Monomethyltin (MeT) / Monomethyltintrichloride 993-16-8)	e (MeTCI) (various,	

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