

**TEST REPORT: 25.40786**

This report is composed by 14 pages, of which: 3 pages for the Summary
 11 pages for the Report 25.40786a

Date in sample: 17 October 2025
Issue date: 10 November 2025

FACILITY

TEXCENE SPA

Via E. Capitanio,9
24020 CENE BG ITALIA

SAMPLE DESCRIPTION

Date and time of the beginning of sampling: 16-10-2025 8:15
Date and time of the end of sampling: 16-10-2025 14:25
Date Received Sample: 17-10-2025
Sampling by: UL In-Charge Technician according to SOP 200-AT-S0059
Sampler certification number: ZDHC-A-24-E-C001068-R45E9-0AA05
Discharge Type: Indirect Discharge With Pretreatment
WATER - TEXTCENE SPA, Via E. Capitanio 9, 24020 - Cene (BG)

INCOMING WATER
SAMPLING LOCATION: WELL WATER TAP
SAMPLING METHOD: SINGLE GRAB

UNTREATED WATER
SAMPLING LOCATION: DYEING WASTEWATER COLLECTION TANK
SAMPLING METHOD: COMPOSITE SAMPLE

EFFLUENT WATER
SAMPLING LOCATION: WELL S1
SAMPLING METHOD: COMPOSITE SAMPLE
PRETREATMENT: PRELIMINARY AND PRIMARY TREATMENT



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dated 10 Nov 2025

Test Name	Incoming	Untreated	Effluent		Comment
Alkylphenol and Alkylphenol Ethoxylates	//	No Detected	//		
Determination of Anti-Microbials & Biocides (o-Phenylphenol)	//	No Detected	//		
Determination of Anti-Microbials & Biocides (Triclosan)	//	No Detected	//		
Determination of Anti-Microbials & Biocides (Permethrin)	//	No Detected	//		
Determination of short-chain chlorinated paraffins (SCCPs)	//	No Detected	//		
Determination of medium-chain chlorinated paraffins (MCCPs)	//	No Detected	//		
Chlorobenzenes and Chlorotoluenes	//	No Detected	//		
Chlorophenols	//	No Detected	//		
Determination of Dimethylformamide (DMFa)	//	No Detected	//		
Carcinogenic Dyes	//	No Detected	//		
Disperse Dyes (Allergenic)	//	No Detected	//		
Flame Retardants	//	No Detected	//		
Flame Retardants	No Detected	Detected	//		
Glycols	//	No Detected	//		
Halogenated Solvents	//	No Detected	//		
Organotin Compounds	No Detected	Detected	//		
Other/Miscellaneous Chemicals: AEEA [2-(2-aminoethylamino) ethanol]	//	No Detected	//		
Other/Miscellaneous Chemicals: Bisphenol A (BPA)	//	No Detected	//		
Other/Miscellaneous Chemicals: Thiourea	//	No Detected	//		
Other/Miscellaneous Chemicals: Quinoline	//	No Detected	//		
Other/Miscellaneous Chemicals: Borate, Zinc salt	No Detected	Detected	//		
Perfluorinated and Polyfluorinated Chemicals (PFCs)	//	No Detected	//		
Phthalates	//	No Detected	//		
Polycyclic Aromatic Hydrocarbons (PAH)	//	No Detected	//		
Aromatic Amines	No Detected	Detected	//		
UV Absorbers	//	No Detected	//		
Volatile Organic Compounds (VOC)	No Detected	Detected	//		
Metals	//	//	See comment		Aspirational
Cr (VI) - Hexavalent Chromium	See comment	//	See comment		Effluent water: Foundational Incoming water: Progressive

NA = Not Applicable; NR = Not Required

This test report is presented in a simplified version as it does not include notes on the test methods, equipment involved and the measurement uncertainty. This information is available in the laboratory upon request.

Note: the partial reproduction, any changes or modifications of this test report are prohibited.

Data contained in the first page of this document have been declared by the client, the laboratory is not responsible for the results that could be influenced by such data.

Data related to the sample have been provided by the customer and the laboratory declines all responsibilities for them.

The results are exclusively referred to the samples tested as received by the laboratory unless otherwise specified.

Conclusions/judgments are expressed with exclusive reference to parts detailed in the following pages and based on limits there specified.

In case of methods involving extraction/purification steps, unless otherwise indicated, the recovery value is to be understood as within the range of specific acceptability limits and the recovery factor is not considered in the final calculation.

In case of multi-analyte determinations, unless otherwise specified, the sum is calculated using the Lower Bound approach: the parameters below their reporting limit do not contribute to the sum. If all individual analytes are below their respective reporting limits the sum will be set below the highest reporting limit.

DECISION RULE: The declaration of conformity is given not taking into account the measurement uncertainty, unless otherwise specified by the customer/reference standard, in accordance with the ILAC G8 Guide which defines the risk level of false acceptance and false rejection equal to 50%.

Where indicated, the expanded uncertainty is given with a coverage factor $k = 2$ and coverage level of 95%.

Unless otherwise specified, tests are performed at IISG Srl (Facility A) located in via Europa 28, 22060 Cabiato Como.



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Test Name	Incoming	Untreated	Effluent		Comment
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A handwritten signature in black ink, appearing to read 'Buraschi Luciano', is written over the printed name and title.

Chemical Laboratory Supervisor
Luciano Buraschi

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	CAS No.	limit	udm	Incoming	Untreated	Effluent		
Alkylphenol and Alkylphenol Ethoxylates 286-AT-L0084 Issue 1.0 2022								
Nonylphenol (NP)	104-40-5/11066-49-2/25154-52-3/84852-15-3	< 5	µg/L	NA	< 5	NA		
Octylphenol (OP)	140-66-9/1806-26-4/27193-28-8	< 5	µg/L	NA	< 5	NA		
Octylphenol ethoxylates, (OPEO)	9002-93-1/9036-19-5/68987-90-6	< 5	µg/L	NA	< 5	NA		
Nonylphenol ethoxylates(NPEO)	9016-45-9/26027-38-3/37205-87-1/68412-54-4/127087-87-0	< 5	µg/L	NA	< 5	NA		
Determination of Anti-Microbials & Biocides (o-Phenylphenol) 286-AT-L0067 Issue 1.0 2022								
Orthophenylphenol	90-43-7	< 100	µg/L	NA	< 100	NA		
Determination of Anti-Microbials & Biocides (Triclosan) 286-AT-L0067 Issue 1.0 2022								
Triclosan	3380-34-5	< 100	µg/L	NA	< 100	NA		
Determination of Anti-Microbials & Biocides (Permethrin) 286-AT-L0068 Issue 1.0 2022								
Permethrin	52645-53-1	< 500	µg/L	NA	< 500	NA		
Determination of short-chain chlorinated paraffins (SCCPs) ISO 12010:2019								
Short chain (SCCPs) C10-C13	85535-84-8	< 25,0	µg/L	NA	< 25,0	NA		
Determination of medium-chain chlorinated paraffins (MCCPs) 286-AT-L0094 Issue 1.0 2022 (According to ISO 18219-2:2021)								
Medium-chain (MCCPs) C14-C17	85535-85-9	< 500	µg/L	NA	< 500	NA		
Chlorobenzenes and Chlorotoluenes 286-AT-L0069 Issue 2.0 2024								
Chlorobenzene	108-90-7	< 0,20	µg/L	NA	< 0,20	NA		
1,2-Dichlorobenzene	95-50-1	< 0,20	µg/L	NA	< 0,20	NA		
1,3-Dichlorobenzene	541-73-1	< 0,20	µg/L	NA	< 0,20	NA		
1,4-Dichlorobenzene	106-46-7	< 0,20	µg/L	NA	< 0,20	NA		
1,2,3-Trichlorobenzene	87-61-6	< 0,20	µg/L	NA	< 0,20	NA		
1,2,4-Trichlorobenzene	120-82-1	< 0,20	µg/L	NA	< 0,20	NA		
1,3,5-Trichlorobenzene	108-70-3	< 0,20	µg/L	NA	< 0,20	NA		
1,2,3,4-Tetrachlorobenzene	634-66-2	< 0,20	µg/L	NA	< 0,20	NA		
1,2,3,5-Tetrachlorobenzene	634-90-2	< 0,20	µg/L	NA	< 0,20	NA		
1,2,4,5-Tetrachlorobenzene	95-94-3	< 0,20	µg/L	NA	< 0,20	NA		
Pentachlorobenzene	608-93-5	< 0,20	µg/L	NA	< 0,20	NA		
Hexachlorobenzene	118-74-1	< 0,20	µg/L	NA	< 0,20	NA		
2-Chlorotoluene	95-49-8	< 0,20	µg/L	NA	< 0,20	NA		

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3-Chlorotoluene	108-41-8	< 0,20	µg/L	NA	< 0,20	NA		
4-Chlorotoluene	106-43-4	< 0,20	µg/L	NA	< 0,20	NA		
2,3-Dichlorotoluene	32768-54-0	< 0,20	µg/L	NA	< 0,20	NA		
2,4-Dichlorotoluene	95-73-8	< 0,20	µg/L	NA	< 0,20	NA		
2,5-Dichlorotoluene	19398-61-9	< 0,20	µg/L	NA	< 0,20	NA		
2,6-Dichlorotoluene	118-69-4	< 0,20	µg/L	NA	< 0,20	NA		
3,4-Dichlorotoluene	95-75-0	< 0,20	µg/L	NA	< 0,20	NA		
3,5-Dichlorotoluene	25186-47-4	< 0,20	µg/L	NA	< 0,20	NA		
2,3,4-Trichlorotoluene	7359-72-0	< 0,20	µg/L	NA	< 0,20	NA		
2,3,6-Trichlorotoluene	2077-46-5	< 0,20	µg/L	NA	< 0,20	NA		
2,4,5-Trichlorotoluene	6639-30-1	< 0,20	µg/L	NA	< 0,20	NA		
2,4,6-Trichlorotoluene	23749-65-7	< 0,20	µg/L	NA	< 0,20	NA		
3,4,5-Trichlorotoluene	21472-86-6	< 0,20	µg/L	NA	< 0,20	NA		
2,3,4,5-Tetrachlorotoluene	76057-12-0	< 0,20	µg/L	NA	< 0,20	NA		
2,3,5,6-Tetrachlorotoluene	29733-70-8	< 0,20	µg/L	NA	< 0,20	NA		
2,3,4,6-Tetrachlorotoluene	875-40-1	< 0,20	µg/L	NA	< 0,20	NA		
Pentachlorotoluene	877-11-2	< 0,20	µg/L	NA	< 0,20	NA		

Chlorophenols

EN 12673:1998

2-Chlorophenol	95-57-8	< 0,50	µg/L	NA	< 0,50	NA		
3-Chlorophenol	108-43-0	< 0,50	µg/L	NA	< 0,50	NA		
4-Chlorophenol	106-48-9	< 0,50	µg/L	NA	< 0,50	NA		
2,3-Dichlorophenol	576-24-9	< 0,50	µg/L	NA	< 0,50	NA		
2,4-Dichlorophenol	120-83-2	< 0,50	µg/L	NA	< 0,50	NA		
2,5-Dichlorophenol	583-78-8	< 0,50	µg/L	NA	< 0,50	NA		
2,6-Dichlorophenol	87-65-0	< 0,50	µg/L	NA	< 0,50	NA		
3,4-Dichlorophenol	95-77-2	< 0,50	µg/L	NA	< 0,50	NA		
3,5-Dichlorophenol	591-35-5	< 0,50	µg/L	NA	< 0,50	NA		
2,3,4-Trichlorophenol	15950-66-0	< 0,50	µg/L	NA	< 0,50	NA		
2,3,5-Trichlorophenol	933-78-8	< 0,50	µg/L	NA	< 0,50	NA		
2,3,6-Trichlorophenol	933-75-5	< 0,50	µg/L	NA	< 0,50	NA		
2,4,5-Trichlorophenol	95-95-4	< 0,50	µg/L	NA	< 0,50	NA		
2,4,6-Trichlorophenol	88-06-2	< 0,50	µg/L	NA	< 0,50	NA		
3,4,5-Trichlorophenol	609-19-8	< 0,50	µg/L	NA	< 0,50	NA		

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	CAS No.	limit	udm	Incoming	Untreated	Effluent		
2,3,4,5-Tetrachlorophenol	4901-51-3	< 0,50	µg/L	NA	< 0,50	NA		
2,3,4,6-Tetrachlorophenol	58-90-2	< 0,50	µg/L	NA	< 0,50	NA		
2,3,5,6-Tetrachlorophenol	935-95-5	< 0,50	µg/L	NA	< 0,50	NA		
Pentachlorophenol	87-86-5	< 0,50	µg/L	NA	< 0,50	NA		

Determination of Dimethylformamide (DMFa)

286-AT-L0070 Issue 1.0 2022

Dimethylformamide (DMFa)	68-12-2	< 1000	µg/L	NA	< 1000	NA		
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Carcinogenic Dyes

286-AT-L0085 Issue 1.0 2022

Basic Violet 3	548-62-9	< 500	µg/L	NA	< 500	NA		
Acid Red 26	3761-53-3	< 500	µg/L	NA	< 500	NA		
Acid Violet 49	1694-09-3	< 500	µg/L	NA	< 500	NA		
Basic Blue 26	2580-56-5	< 500	µg/L	NA	< 500	NA		
Basic Green 4 (Malachite Green Chloride)	569-64-2	< 500	µg/L	NA	< 500	NA		
Basic Green 4 (Malachite Green Oxalate)	2437-29-8	< 500	µg/L	NA	< 500	NA		
Basic Green 4 (Malachite Green)	10309-95-2	< 500	µg/L	NA	< 500	NA		
Basic Red 9	569-61-9	< 500	µg/L	NA	< 500	NA		
Basic Violet 14	632-99-5	< 500	µg/L	NA	< 500	NA		
Direct Black 38	1937-37-7	< 500	µg/L	NA	< 500	NA		
Direct Blue 6	573-58-0	< 500	µg/L	NA	< 500	NA		
Direct Red 28	573-58-0	< 500	µg/L	NA	< 500	NA		
Disperse Blue 1	2475-45-8	< 500	µg/L	NA	< 500	NA		
Disperse Blue 3	2475-46-9	< 500	µg/L	NA	< 500	NA		
Disperse Orange 11	82-28-0	< 500	µg/L	NA	< 500	NA		

Disperse Dyes (Allergenic)

286-AT-L0085 Issue 1.0 2022

Disperse Blue 102	12222-97-8	< 50	µg/L	NA	< 50	NA		
Disperse Blue 106	12223-01-07	< 50	µg/L	NA	< 50	NA		
Disperse Blue 124	61951-51-7	< 50	µg/L	NA	< 50	NA		
Disperse Blue 26	3860-63-7	< 50	µg/L	NA	< 50	NA		
Disperse Blue 35b	12222-75-2	< 50	µg/L	NA	< 50	NA		
Disperse Blue 7	3179-90-6	< 50	µg/L	NA	< 50	NA		
Disperse Brown 1	23355-64-8	< 50	µg/L	NA	< 50	NA		
Disperse Orange 1	2581-69-3	< 50	µg/L	NA	< 50	NA		

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Disperse Orange 3	730-40-5	< 50	µg/L	NA	< 50	NA		
Disperse Orange 37/76	13301-61-6	< 50	µg/L	NA	< 50	NA		
Disperse Red 1	2872-52-8	< 50	µg/L	NA	< 50	NA		
Disperse Red 11	2872-48-2	< 50	µg/L	NA	< 50	NA		
Disperse Red 17	3179-89-3	< 50	µg/L	NA	< 50	NA		
Disperse Yellow 1	119-15-3	< 50	µg/L	NA	< 50	NA		
Disperse Yellow 3	2832-40-8	< 50	µg/L	NA	< 50	NA		
Disperse Yellow 39	12236-29-2	< 50	µg/L	NA	< 50	NA		
Disperse Yellow 49	6858-49-7	< 50	µg/L	NA	< 50	NA		
Disperse Yellow 9	6373-73-5	< 50	µg/L	NA	< 50	NA		
Disperse Blue 35a	56524-77-7	< 50	µg/L	NA	< 50	NA		

note: CAS Number of the mixture 12222-75-2, is the sum of the components Disperse Blue 35A (CAS 56524-77-7) and Disperse Blue 35B (CAS 56524-76-6).

Flame Retardants

286-AT-L0072 Issue 1.0 2022

BBMP	3296-90-0	< 25	µg/L	NA	< 25	NA		
BIS	5412-25-9	< 25	µg/L	NA	< 25	NA		
DecaBDE	1163-19-5	< 25	µg/L	NA	< 25	NA		
HBCDD	3194-55-6	< 25	µg/L	NA	< 25	NA		
OctaBDE	32536-52-0	< 25	µg/L	NA	< 25	NA		
PentaBDE	3253-4-81-9	< 25	µg/L	NA	< 25	NA		
PBB	59536-65-1	< 25	µg/L	NA	< 25	NA		
TBBPA	79-94-7	< 25	µg/L	NA	< 25	NA		
TCPP	13674-84-5	< 25	µg/L	NA	< 25	NA		
TEPA	545-55-1	< 25	µg/L	NA	< 25	NA		
TDCP	13674-87-8	< 25	µg/L	NA	< 25	NA		
TCEP	115-96-8	< 25	µg/L	NA	< 25	NA		
TRIS	126-72-7	< 25	µg/L	NA	< 25	NA		
DecaBB	13654-09-6	< 25	µg/L	NA	< 25	NA		
DiBB	Various	< 25	µg/L	NA	< 25	NA		
OctaBB	Various	< 25	µg/L	NA	< 25	NA		
BDDP	21850-44-2	< 25	µg/L	NA	< 25	NA		
HeptaBDE	68928-80-3	< 25	µg/L	NA	< 25	NA		
HexaBDE	36483-60-0	< 25	µg/L	NA	< 25	NA		
MonoBB	Various	< 25	µg/L	NA	< 25	NA		

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MonoBDE	Various	< 25	µg/L	NA	< 25	NA		
NonaBB	Various	< 25	µg/L	NA	< 25	NA		
NonaBDE	63936-56-1	< 25	µg/L	NA	< 25	NA		
TetraBDE	40088-47-9	< 25	µg/L	NA	< 25	NA		
TriBDE	Various	< 25	µg/L	NA	< 25	NA		

Flame Retardants

ISO 17294-2:2023

Boric Acid	10043-35-3/11113-50-1	< 500	µg/L	< 500	767	NA		
Diboron Trioxide	1303-86-2	< 500	µg/L	< 500	< 500	NA		
Disodium Octaborate	12008-41-2	< 500	µg/L	< 500	529	NA		
Disodium Tetraborate Anhydrous	1303-96-4/1330-43-4	< 500	µg/L	< 500	622	NA		
Tetraboron Disodium Heptaoxide, hydrate	12267-73-1	< 500	µg/L	< 500	680	NA		

note: Determinated as total boron (B) via ICP.
Nitric acid digestion using microwave-assisted heating according to ISO 15587-2:2022.

Glycols

286-AT-L0073 Issue 1.0 2022

Bis(2-methoxyethyl)-ether	111-96-6	< 50	µg/L	NA	< 50	NA		
2-ethoxyethanol	110-80-5	< 50	µg/L	NA	< 50	NA		
2-ethoxyethyl acetate	111-15-9	< 50	µg/L	NA	< 50	NA		
Ethylene glycol dimethyl ether	110-71-4	< 50	µg/L	NA	< 50	NA		
2-methoxyethanol	109-86-4	< 50	µg/L	NA	< 50	NA		
2-methoxyethylacetate	110-49-6	< 50	µg/L	NA	< 50	NA		
2-methoxypropylacetate	70657-70-4	< 50	µg/L	NA	< 50	NA		
Triethylene glycol dimethyl ether	112-49-2	< 50	µg/L	NA	< 50	NA		

Halogenated Solvents

286-AT-L0074 Issue 1.0 2022

1,2-Dichloroethane	107-06-2	< 1,0	µg/L	NA	< 1,0	NA		
Methylene chloride	75-09-2	< 1,0	µg/L	NA	< 1,0	NA		
Trichloroethylene	79-01-6	< 1,0	µg/L	NA	< 1,0	NA		
Tetrachloroethylene	127-18-4	< 1,0	µg/L	NA	< 1,0	NA		

Organotin Compounds

ISO 17353:2004

DPtT	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
Mono-, di-, tri-butyltin derivatives	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
Mono-, di-, tri-methyltin derivatives	Various	< 0,01	µg/L	< 0,01	0,036	NA		

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Mono-, di-, tri-octyltin derivates	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
Mono-, di-, tri-phenyltin derivates	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
TeBT	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
TPrT	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
TeOT	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
TCyHT	Various	< 0,01	µg/L	< 0,01	< 0,01	NA		
TeET	Various	< 0,01	µg/L	< 0,01	0,44	NA		

Other/Miscellaneous Chemicals: AEEA [2-(2-aminoethylamino) ethanol]

286-AT-L0086 Issue 1.0 2022

AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	< 500	µg/L	NA	< 500	NA		
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Other/Miscellaneous Chemicals: Bisphenol A (BPA)

286-AT-L0087 Issue 1.0 2022

Bisphenol A	80-05-07	< 10	µg/L	NA	< 10	NA		
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Other/Miscellaneous Chemicals: Thiourea

286-AT-L0088 Issue 1.1 2025

Thiourea	62-56-6	< 50	µg/L	NA	< 50	NA		
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Other/Miscellaneous Chemicals: Quinoline

286-AT-L0085 Issue 1.0 2022

Quinoline	91-22-5	< 50	µg/L	NA	< 50	NA		
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Other/Miscellaneous Chemicals: Borate, Zinc salt

ISO 17294-2:2023

Borate, Zinc salt	12767-90-7	< 100	µg/L	< 100	609	NA		
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note: Determinated as total boron (B) and total zinc (Zn) via ICP.

Nitric acid digestion using microwave-assisted heating according to ISO 15587-2:2022.

Perfluorinated and Polyfluorinated Chemicals (PFCs)

ISO 21675:2019, 286-AT-L0082 Issue 1.0 2022

ISO 21675:2019:								
PFOS	1763-23-1	< 0,01	µg/L	NA	< 0,01	NA		
PFBS	375-73-5	< 0,01	µg/L	NA	< 0,01	NA		
PFHpS	375-92-8	< 0,01	µg/L	NA	< 0,01	NA		
PFDS/PFDcS	335-77-3/126105-34-8	< 0,01	µg/L	NA	< 0,01	NA		
1H,1H,2H,2H-PFOS	27619-97-2	< 0,01	µg/L	NA	< 0,01	NA		
PFHxS	355-46-4	< 0,01	µg/L	NA	< 0,01	NA		
PFBA	375-22-4	< 1,0	µg/L	NA	< 1,0	NA		
PFPA	2706-90-3	< 1,0	µg/L	NA	< 1,0	NA		
PFHxA	307-24-4	< 1,0	µg/L	NA	< 1,0	NA		
PFHpA	375-85-9	< 1,0	µg/L	NA	< 1,0	NA		

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PFNA	375-95-1	< 1,0	µg/L	NA	< 1,0	NA		
PFDA/PFDcA	335-76-2	< 1,0	µg/L	NA	< 1,0	NA		
PFUnA	2058-94-8	< 1,0	µg/L	NA	< 1,0	NA		
PFDcA	307-55-1	< 1,0	µg/L	NA	< 1,0	NA		
PFTeA	376-06-7	< 1,0	µg/L	NA	< 1,0	NA		
HPFHpA	1546-95-8	< 1,0	µg/L	NA	< 1,0	NA		
PF-3,7-DMOA	172155-07-6	< 1,0	µg/L	NA	< 1,0	NA		
H2PFDA	27854-31-5	< 1,0	µg/L	NA	< 1,0	NA		
PFOA	335-67-1	< 1,0	µg/L	NA	< 1,0	NA		
286-AT-L0082 Issue 1.0 2022:								
4:2 FTOH	2043-47-2	< 1,0	µg/L	NA	< 1,0	NA		
6:2 FTOH	647-42-7	< 1,0	µg/L	NA	< 1,0	NA		
8:2 FTOH	678-39-7	< 1,0	µg/L	NA	< 1,0	NA		
10:2 FTOH	865-86-1	< 1,0	µg/L	NA	< 1,0	NA		
6:2 FTA	17527-29-6	< 1,0	µg/L	NA	< 1,0	NA		
8:2 FTA	27905-45-9	< 1,0	µg/L	NA	< 1,0	NA		
10:2 FTA	17741-60-5	< 1,0	µg/L	NA	< 1,0	NA		

Phthalates

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DEHP	117-81-7	< 10	µg/L	NA	< 10	NA		
BBP	85-68-7	< 10	µg/L	NA	< 10	NA		
DBP	84-74-2	< 10	µg/L	NA	< 10	NA		
DEP	84-66-2	< 10	µg/L	NA	< 10	NA		
DNOP	117-84-0	< 10	µg/L	NA	< 10	NA		
DINP	28553-12-0	< 10	µg/L	NA	< 10	NA		
DIDP	26761-40-0	< 10	µg/L	NA	< 10	NA		
DIBP	84-69-5	< 10	µg/L	NA	< 10	NA		
DnHP	84-75-3	< 10	µg/L	NA	< 10	NA		
DMEP	117-82-8	< 10	µg/L	NA	< 10	NA		
DPRP	131-16-8	< 10	µg/L	NA	< 10	NA		
DIOP	27554-26-3	< 10	µg/L	NA	< 10	NA		
DCHP	84-61-7	< 10	µg/L	NA	< 10	NA		
DNP	84-76-4	< 10	µg/L	NA	< 10	NA		
DHNUP	68515-42-4	< 10	µg/L	NA	< 10	NA		

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	CAS No.	limit	udm	Incoming	Untreated	Effluent		
DIHP	71888-89-6/84777-06-0	< 10	µg/L	NA	< 10	NA		
DPP	131-18-0	< 10	µg/L	NA	< 10	NA		
DIPP	605-50-5	< 10	µg/L	NA	< 10	NA		
DHxP	68515-50-4	< 10	µg/L	NA	< 10	NA		
DNIPP	84777-06-0	< 10	µg/L	NA	< 10	NA		

Polycyclic Aromatic Hydrocarbons (PAH)
 ISO 28540:2011

Benzo(a)pyrene	50-32-8	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(e)pyrene	192-97-2	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(a)anthracene	56-55-3	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(b)fluoranthene	205-99-2	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(j)fluoranthene	205-82-3	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(k)fluoranthene	207-08-9	< 1,0	µg/L	NA	< 1,0	NA		
Chrysene	218-01-9	< 1,0	µg/L	NA	< 1,0	NA		
Dibenzo(a,h)anthracene	53-70-3	< 1,0	µg/L	NA	< 1,0	NA		
Acenaphthene	83-32-9	< 1,0	µg/L	NA	< 1,0	NA		
Acenaphthylene	208-96-8	< 1,0	µg/L	NA	< 1,0	NA		
Anthracene	120-12-7	< 1,0	µg/L	NA	< 1,0	NA		
Benzo(g,h,i)perylene	191-24-2	< 1,0	µg/L	NA	< 1,0	NA		
Fluoranthene	206-44-0	< 1,0	µg/L	NA	< 1,0	NA		
Fluorene	86-73-7	< 1,0	µg/L	NA	< 1,0	NA		
Indeno(1,2,3-cd)pyrene	193-39-5	< 1,0	µg/L	NA	< 1,0	NA		
Naphthalene	91-20-3	< 1,0	µg/L	NA	< 1,0	NA		
Phenanthrene	85-01-8	< 1,0	µg/L	NA	< 1,0	NA		
Pyrene	129-00-0	< 1,0	µg/L	NA	< 1,0	NA		

Aromatic Amines

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4-Aminobiphenyl	92-67-1	< 0,10	µg/L	< 0,10	< 0,10	NA		
Benzidine	92-87-5	< 0,10	µg/L	< 0,10	< 0,10	NA		
4-Chloro-o-Toluidine	95-69-2	< 0,10	µg/L	< 0,10	< 0,10	NA		
2-Naphthylamine	91-59-8	< 0,10	µg/L	< 0,10	< 0,10	NA		
o-Aminoazotoluene	97-56-3	< 0,10	µg/L	< 0,10	< 0,10	NA		
5-Nitro-o-Toluidine	99-55-8	< 0,10	µg/L	< 0,10	< 0,10	NA		
4-Chloroaniline	106-47-8	< 0,10	µg/L	< 0,10	0,55	NA		
2,4-Diaminoanisole	615-05-4	< 0,10	µg/L	< 0,10	< 0,10	NA		

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	CAS No.	limit	udm	Incoming	Untreated	Effluent		
4,4'-Diaminodiphenylmethane	101-77-9	< 0,10	µg/L	< 0,10	< 0,10	NA		
3,3'-Dichlorobenzidine	91-94-1	< 0,10	µg/L	< 0,10	< 0,10	NA		
3,3'-Dimethoxybenzidine	119-90-4	< 0,10	µg/L	< 0,10	< 0,10	NA		
3,3'-Dimethylbenzidine	119-93-7	< 0,10	µg/L	< 0,10	< 0,10	NA		
4,4'-Methylenedi-o-toluidine	838-88-0	< 0,10	µg/L	< 0,10	< 0,10	NA		
p-Cresidine	120-71-8	< 0,10	µg/L	< 0,10	< 0,10	NA		
4,4'-Methylenebis(2-chloroaniline)	101-14-4	< 0,10	µg/L	< 0,10	< 0,10	NA		
4,4'-Oxydianiline	101-80-4	< 0,10	µg/L	< 0,10	< 0,10	NA		
4,4'-Thiodianiline	139-65-1	< 0,10	µg/L	< 0,10	< 0,10	NA		
o-Toluidine	95-53-4	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,4-Toluendiamine	95-80-7	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,4,5-Trimethylaniline	137-17-7	< 0,10	µg/L	< 0,10	< 0,10	NA		
o-Anisidine	90-04-0	< 0,10	µg/L	< 0,10	< 0,10	NA		
4-Aminoazobenzene	60-09-3	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,4-Xylidine	95-68-1	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,6-Xylidine	87-62-7	< 0,10	µg/L	< 0,10	< 0,10	NA		
4-Chloro-o-toluidinium chloride	3165-93-3	< 0,10	µg/L	< 0,10	< 0,10	NA		
2-Naphthylammonium acetate	553-00-4	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,4-Diaminoaniso sulphate	39156-41-7	< 0,10	µg/L	< 0,10	< 0,10	NA		
2,4,5-Trimethylaniline hydrochloride	21436-97-5	< 0,10	µg/L	< 0,10	< 0,10	NA		

UV Absorbers

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UV-320	3846-71-7	< 100	µg/L	NA	< 100	NA		
UV-328	25973-55-1	< 100	µg/L	NA	< 100	NA		
UV-327	3864-99-1	< 100	µg/L	NA	< 100	NA		
UV-350	36437-37-3	< 100	µg/L	NA	< 100	NA		

Volatile Organic Compounds (VOC)

ISO 11423-1:1997

Benzene	71-43-2	< 1,0	µg/L	< 1,0	< 1,0	NA		
Xylene	1330-20-7	< 1,0	µg/L	< 1,0	< 1,0	NA		
o-cresol	95-48-7	< 1,0	µg/L	< 1,0	< 1,0	NA		
p-cresol	106-44-5	< 1,0	µg/L	< 1,0	1,24	NA		
m-cresol	108-39-4	< 1,0	µg/L	< 1,0	< 1,0	NA		
Toluene	108-88-3	< 1,0	µg/L	< 1,0	< 1,0	NA		



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	CAS No.	limit	udm	Incoming	Untreated	Effluent		
Cr (VI) - Hexavalent Chromium ISO 18412:2005								
Chromium VI	18540-29-9	< 0,001	mg/L	0,003	NA	0,006		
Metals ISO 17294-2:2023								
Arsenic (As)	7440-38-2	< 0,005	mg/L	NA	NA	< 0,005		
Cadmium (Cd)	7440-43-9	< 0,01	mg/L	NA	NA	< 0,01		
Lead (Pb)	7439-92-1	< 0,01	mg/L	NA	NA	< 0,01		
Mercury (Hg)	7439-97-6	< 0,001	mg/L	NA	NA	< 0,001		

note: Nitric acid digestion using microwave-assisted heating according to ISO 15587-2:2022.

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Incoming water - 16/10/2025 h 08:50



Untreated water - 16/10/2025 h 08:15



Effluent - 16/10/2025 h 8:20