



22.42115

I I S G



TEST REPORT: 22.42115

This report is composed by 13 pages, of which: 4 pages for the Summary
9 pages for the Report

Date in sample: 21 September 2022

Issue date: 11 October 2022

FACILITY

EVEREST SRL

Via Ghebo, 32

35017 Piombino Dese PD ITALIA

SAMPLE DESCRIPTION

Date and hour of sampling: 20-09-2022

Sampling by: UL In-charge Technician

Sampling Record No.: 8F146509056

Discharge Type: Indirect

WATER - EVEREST SRL Via Ghebo, 32 – 35017 Piombino Dese (PD)

INCOMING WATER

SAMPLING LOCATION: WELL WATER

SAMPLING METHOD: SINGLE GRAB

RAW WASTEWATER

SAMPLING LOCATION: EQUALIZATION TANK

SAMPLING METHOD: COMPOSITE SAMPLE

DISCHARGE WATER

SAMPLING LOCATION: WASTE WATER OUTLET COCKPIT P1

SAMPLING METHOD: COMPOSITE SAMPLE

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dated 11 Oct 2022

Test Name	I0001	R0001	D0001		Comment
Alkylphenol and Alkylphenol Ethoxylates	//	No Detected	No Detected		
Chlorobenzenes and Chlorotoluenes	//	No Detected	No Detected		
Chlorophenols	//	No Detected	No Detected		
Dyes - Azo	//	No Detected	No Detected		
Carcinogenic Dyes	//	No Detected	No Detected		
Glycols	//	No Detected	No Detected		
Halogenated Solvents	//	No Detected	No Detected		
Organotin Compounds	//	No Detected	No Detected		
Perfluorinated and Polyfluorinated Chemicals (PFCs)	No Detected	Detected	No Detected		
Phthalates	//	No Detected	No Detected		
Polycyclic Aromatic Hydrocarbons (PAH)	//	No Detected	No Detected		
Volatile Organic Compounds	No Detected	Detected	Detected		
Flame Retardants	//	No Detected	No Detected		
Temperature	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
TSS -Total suspended solid	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
pH	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Colour	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
BOD ₅ - Biological oxygen demand (5 days)	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Total-P - Total phosphorus	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Oil and Grease	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)

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Test Name	I0001	R0001	D0001		Comment
Phenols	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Coliform (UFC/100ml)	//	//	//		No Value with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Metals	//	//	//		Raw - Discharge Water (Zn) Not Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Total-N - Total nitrogen	//	//	//		No Value with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Ammonium-N - Ammonium nitrogen	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Sulfide	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Sulfite	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Persistent Foam	//	//	//		No Value with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Cyanide	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
AOX	//	//	//		No Value with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)
Disperse Dyes	//	No Detected	No Detected		
COD - Chemical oxygen demand	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)

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Test Name	I0001	R0001	D0001		Comment
Cr (VI) - Hexavalent Chromium	//	//	//		Compliant with the legal wastewater discharge permit and/or commercial agreements with receiving central effluent treatment plant (CETP)

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

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.

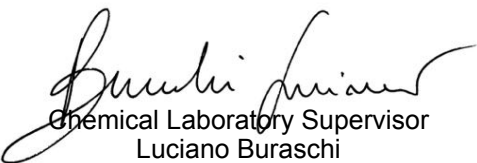
The results are exclusively referred to the samples tested as received by the laboratory unless otherwise specified.

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

Recovery between 80-110% is not indicated on test reports and it is not considered in the final calculation.

DECISION RULE: The declaration of conformity (all PASS or FAIL) is given not taking into account the measurement uncertainty.

LEVEL OF RISK ASSOCIATED WITH THE DECISION RULE: The results issued by IISG do not take in consideration of the measurement uncertainty, but when the value is close to the limit, the test if repeated by another laboratory can give a different result.


Chemical Laboratory Supervisor
Luciano Buraschi

TEST REPORT: 22.42115a dated 11 October 2022

	CAS No.	limit	udm	Incoming	Raw	Discharge		
Chlorobenzenes and Chlorotoluenes								
According to USEPA 8260D, 8270E								
Monochlorobenzene	108-90-7	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2-dichlorobenzene	95-50-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,3-dichlorobenzene	541-73-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,4-dichlorobenzene	106-46-7	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2,3-trichlorobenzene	87-61-6	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2,4-trichlorobenzene	120-82-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,3,5-trichlorobenzene	108-70-3	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2,3,4-tetrachlorobenzene	634-66-2	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2,3,5-tetrachlorobenzene	634-90-2	< 0,2	µg/L	N/A	< 0,2	< 0,2		
1,2,4,5-tetrachlorobenzene	95-94-3	< 0,2	µg/L	N/A	< 0,2	< 0,2		
Pentachlorobenzene	608-93-5	< 0,2	µg/L	N/A	< 0,2	< 0,2		
Hexachlorobenzene	118-74-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2-chlorotoluene	95-49-8	< 0,2	µg/L	N/A	< 0,2	< 0,2		
3-chlorotoluene	108-41-8	< 0,2	µg/L	N/A	< 0,2	< 0,2		
4-chlorotoluene	106-43-4	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3-dichlorotoluene	32768-54-0	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,4-dichlorotoluene	95-73-8	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,5-dichlorotoluene	19398-61-9	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,6-dichlorotoluene	118-69-4	< 0,2	µg/L	N/A	< 0,2	< 0,2		
3,4-dichlorotoluene	95-75-0	< 0,2	µg/L	N/A	< 0,2	< 0,2		
3,5-dichlorotoluene	25186-47-4	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3,4-trichlorotoluene	7359-72-0	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3,6-trichlorotoluene	2077-46-5	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,4,5-trichlorotoluene	6639-30-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,4,6-trichlorotoluene	23749-65-7	< 0,2	µg/L	N/A	< 0,2	< 0,2		
3,4,5-trichlorotoluene	21472-86-6	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3,4,5-tetrachlorotoluene	76057-12-0	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3,5,6-tetrachlorotoluene	29733-70-8	< 0,2	µg/L	N/A	< 0,2	< 0,2		
2,3,4,6-tetrachlorotoluene	875-40-1	< 0,2	µg/L	N/A	< 0,2	< 0,2		
Pentachlorotoluene	877-11-2	< 0,2	µg/L	N/A	< 0,2	< 0,2		
Chlorophenols								
According to USEPA 8270D								
2-Chlorophenol	95-57-8	< 0,5	µg/L	N/A	< 0,5	< 0,5		

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	CAS No.	limit	udm	Incoming	Raw	Discharge		
3-Chlorophenol	108-43-0	< 0,5	µg/L	N/A	< 0,5	< 0,5		
4-Chlorophenol	106-48-9	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3-Dichlorophenol	576-24-9	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,4-Dichlorophenol	120-83-2	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,5-Dichlorophenol	583-78-8	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,6-Dichlorophenol	87-65-0	< 0,5	µg/L	N/A	< 0,5	< 0,5		
3,4-Dichlorophenol	95-77-2	< 0,5	µg/L	N/A	< 0,5	< 0,5		
3,5-Dichlorophenol	591-35-5	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,4-Trichlorophenol	15950-66-0	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,5-Trichlorophenol	933-78-8	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,6-Trichlorophenol	933-75-5	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,4,5-Trichlorophenol	95-95-4	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,4,6-Trichlorophenol	88-06-2	< 0,5	µg/L	N/A	< 0,5	< 0,5		
3,4,5-Trichlorophenol	609-19-8	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,4,5-Tetrachlorophenol	4901-51-3	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,4,6-Tetrachlorophenol	58-90-2	< 0,5	µg/L	N/A	< 0,5	< 0,5		
2,3,5,6-Tetrachlorophenol	935-95-5	< 0,5	µg/L	N/A	< 0,5	< 0,5		
Pentachlorophenol	87-86-5	< 0,5	µg/L	N/A	< 0,5	< 0,5		

Dyes - Azo

According to EN ISO 14362-1:2017 , EN ISO 14362-3:2017

4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4,4'-methylenedianiline	101-77-9	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4,4'-oxydianiline	101-80-4	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-chloroaniline	106-47-8	< 0,1	µg/L	N/A	< 0,1	< 0,1		
3,3'-dimethoxybenzidine	119-90-4	< 0,1	µg/L	N/A	< 0,1	< 0,1		
3,3'-dimethylbenzidine	119-93-7	< 0,1	µg/L	N/A	< 0,1	< 0,1		
6-methoxy-m-toluidine	120-71-8	< 0,1	µg/L	N/A	< 0,1	< 0,1		
2,4,5-trimethylaniline	137-17-7	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4,4'-thiodianiline	139-65-1	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-aminoazobenzene	60-09-3	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-methoxy-m-phenylenediamine	615-05-4	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4,4'-methylene-di-o-toluidine	838-88-0	< 0,1	µg/L	N/A	< 0,1	< 0,1		
2,6-xylydine	87-62-7	< 0,1	µg/L	N/A	< 0,1	< 0,1		
o-anisidine	90-04-0	< 0,1	µg/L	N/A	< 0,1	< 0,1		
2-naphthylamine	91-59-8	< 0,1	µg/L	N/A	< 0,1	< 0,1		

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3,3'-dichlorobenzidine	91-94-1	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-aminodiphenyl	92-67-1	< 0,1	µg/L	N/A	< 0,1	< 0,1		
Benzidine	92-87-5	< 0,1	µg/L	N/A	< 0,1	< 0,1		
o-toluidine	95-53-4	< 0,1	µg/L	N/A	< 0,1	< 0,1		
2,4-xylidine	95-68-1	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-chloro-o-toluidine	95-69-2	< 0,1	µg/L	N/A	< 0,1	< 0,1		
4-methyl-m-phenylenediamine	95-80-7	< 0,1	µg/L	N/A	< 0,1	< 0,1		
o-aminoazotoluene	97-56-3	< 0,1	µg/L	N/A	< 0,1	< 0,1		
5-nitro-o-toluidine	99-55-8	< 0,1	µg/L	N/A	< 0,1	< 0,1		

Alkylphenol and Alkylphenol Ethoxylates

According to ISO 18857-2 and ISO 18254-1

Nonylphenol (NP)	104-40-5/11066-49-2/25154-52-3/84852-15-3	< 5	µg/L	N/A	< 5	< 5		
Octylphenol (OP)	140-66-9/1806-26-4/27193-28-8	< 5	µg/L	N/A	< 5	< 5		
Octylphenol ethoxylates, (OPEO)	9002-93-1/9036-19-5/68987-90-6	< 5	µg/L	N/A	< 5	< 5		
Nonylphenol ethoxylates(NPEO)	9016-45-9/26027-38-3/37205-87-1/68412-54-4/127087-87-0	< 5	µg/L	N/A	< 5	< 5		

Carcinogenic Dyes

According to DIN 54231:2005

Acid Red 26	3761-53-3	< 500	µg/L	N/A	< 500	N/A		
Basic Blue 26	2580-56-5	< 500	µg/L	N/A	N/A	N/A		
Basic Green 4 (Malachite Green Chloride)	569-64-2	< 500	µg/L	N/A	N/A	N/A		
Basic Green 4 (Malachite Green Oxalate)	2437-29-8	< 500	µg/L	N/A	N/A	N/A		
Basic Green 4 (Malachite Green)	10309-95-2	< 500	µg/L	N/A	N/A	N/A		
Basic Red 9	569-61-9	< 500	µg/L	N/A	N/A	N/A		
Basic Violet 14	632-99-5	< 500	µg/L	N/A	N/A	N/A		
Direct Black 38	1937-37-7	< 500	µg/L	N/A	N/A	N/A		
Direct Blue 6	2602-46-2	< 500	µg/L	N/A	N/A	N/A		
Direct Red 8	573-58-0	< 500	µg/L	N/A	N/A	N/A		
Disperse Blue 1	2475-45-8	< 500	µg/L	N/A	N/A	N/A		
Disperse Blue 3	2475-46-9	< 500	µg/L	N/A	N/A	N/A		
Disperse Orange 11	82-28-0	< 500	µg/L	N/A	N/A	N/A		

Flame Retardants

According to ISO 22032:2006

TCEP	115-96-8	< 5	µg/L	N/A	< 5	< 5		
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	CAS No.	limit	udm	Incoming	Raw	Discharge		
decaBDE	1163-19-5	< 5	µg/L	N/A	N/A	< 5		
TRIS	126-72-7	< 5	µg/L	N/A	N/A	< 5		
pentaBDE	32534-81-9	< 5	µg/L	N/A	N/A	< 5		
octaBDE	32536-52-0	< 5	µg/L	N/A	N/A	< 5		
BIS	5412-25-9	< 5	µg/L	N/A	N/A	< 5		
TEPA	545-55-1	< 5	µg/L	N/A	N/A	< 5		
PBB	59536-65-1	< 5	µg/L	N/A	N/A	< 5		
TBBPA	79-94-7	< 5	µg/L	N/A	N/A	< 5		
HBCDD	3194-55-6	< 5	µg/L	N/A	N/A	< 5		
BBMP	3296-90-0	< 5	µg/L	N/A	N/A	< 5		
TDCP	13674-87-8	< 5	µg/L	N/A	N/A	< 5		
SCCP	85535-84-8	< 5	µg/L	N/A	N/A	< 5		

Glycols

According to USEPA 8270

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

Halogenated Solvents

According to USEPA 8260D

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

Organotin Compounds

According to ISO 17353:2004

MET	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
DMT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
TMT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
MBT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
DBT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		

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TBT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
MPT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
DPT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
TPT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
MOT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
DOT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		
TOT	Multiple	< 0,01	µg/L	N/A	< 0,01	< 0,01		

Perfluorinated and Polyfluorinated Chemicals (PFCs)

According to DIN 38407-42

PFOS	1763-23-1	< 0,01	µg/L	< 0,01	< 0,01	< 0,01		
PFOA	335-67-1	< 0,01	µg/L	< 0,01	0,03	< 0,01		
PFBS	29420-49-3	< 0,01	µg/L	< 0,01	< 0,01	< 0,01		
PFHxA	307-24-4	< 0,01	µg/L	< 0,01	< 0,01	< 0,01		
8:2 FTOH	678-39-7	< 1	µg/L	< 1	< 1	< 1		
6:2 FTOH	647-42-7	< 1	µg/L	< 1	< 1	< 1		

Phthalates

According to USEPA 8270D

DEHP	117-81-7	< 10	µg/L	N/A	< 10	< 10		
BBP	85-68-7	< 10	µg/L	N/A	< 10	< 10		
DBP	84-74-2	< 10	µg/L	N/A	< 10	< 10		
DEP	84-66-2	< 10	µg/L	N/A	< 10	< 10		
DNOP	117-84-0	< 10	µg/L	N/A	< 10	< 10		
DINP	28553-12-0	< 10	µg/L	N/A	< 10	< 10		
DIDP	26761-40-0	< 10	µg/L	N/A	< 10	< 10		
DIBP	84-69-5	< 10	µg/L	N/A	< 10	< 10		
DnHP	84-75-3	< 10	µg/L	N/A	< 10	< 10		
DMEP	117-82-8	< 10	µg/L	N/A	< 10	< 10		
DPRP	131-16-8	< 10	µg/L	N/A	< 10	< 10		
DIOP	27554-26-3	< 10	µg/L	N/A	< 10	< 10		
DCHP	84-61-7	< 10	µg/L	N/A	< 10	< 10		
DNP	84-76-4	< 10	µg/L	N/A	< 10	< 10		
DHNUP	68515-42-4	< 10	µg/L	N/A	< 10	< 10		
DIHP	71888-89-6	< 10	µg/L	N/A	< 10	< 10		

Polycyclic Aromatic Hydrocarbons (PAH)

According to USEPA 8270

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	CAS No.	limit	udm	Incoming	Raw	Discharge		
Benzo(a)pyrene	50-32-8	< 1	µg/L	N/A	< 1	< 1		
Benzo(e)pyrene	192-97-2	< 1	µg/L	N/A	< 1	< 1		
Benzo(a)anthracene	56-55-3	< 1	µg/L	N/A	< 1	< 1		
Benzo(b)fluoranthene	205-99-2	< 1	µg/L	N/A	< 1	< 1		
Benzo(j)fluoranthene	205-82-3	< 1	µg/L	N/A	< 1	< 1		
Benzo(k)fluoranthene	207-08-9	< 1	µg/L	N/A	< 1	< 1		
Chrysene	218-01-9	< 1	µg/L	N/A	< 1	< 1		
Dibenzo(a,h)anthracene	53-70-3	< 1	µg/L	N/A	< 1	< 1		
Acenaphthene	83-32-9	< 1	µg/L	N/A	< 1	< 1		
Acenaphthylene	208-96-8	< 1	µg/L	N/A	< 1	< 1		
Anthracene	120-12-7	< 1	µg/L	N/A	< 1	< 1		
Benzo(g,h,i)perylene	191-24-2	< 1	µg/L	N/A	< 1	< 1		
Fluoranthene	206-44-0	< 1	µg/L	N/A	< 1	< 1		
Fluorene	86-73-7	< 1	µg/L	N/A	< 1	< 1		
Indeno(1,2,3-cd)pyrene	193-39-5	< 1	µg/L	N/A	< 1	< 1		
Naphthalene	91-20-3	< 1	µg/L	N/A	< 1	< 1		
Phenanthrene	85-01-8	< 1	µg/L	N/A	< 1	< 1		
Pyrene	129-00-0	< 1	µg/L	N/A	< 1	< 1		

Volatile Organic Compounds
 According to ISO 11423-1

Benzene	71-43-2	< 1	µg/L	< 1	< 1	< 1		
Xylene	1330-20-7	< 1	µg/L	< 1	< 1	1,74		
o-cresol	95-48-7	< 1	µg/L	< 1	11,4	< 1		
p-cresol	106-44-5	< 1	µg/L	< 1	< 1	< 1		
m-cresol	108-39-4	< 1	µg/L	< 1	< 1	< 1		

Temperature
 According to US EPA 170.1

T°			C	N/A	N/A	22,6		
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Persistent Foam
 N/A

Persistent Foam		Not persistent	NONE	N/A	N/A	Not persistent		
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TSS - Total suspended solid
 ISO 11923:1997

TSS		< 5	mg/L	N/A	N/A	21,5		
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TEST REPORT: 22.42115a dated 11 October 2022

	CAS No.	limit	udm	Incoming	Raw	Discharge		
COD - Chemical oxygen demand ISO 15705:2002								
COD		< 40	mg/L	N/A	N/A	94		
pH ISO 10523:2008								
pH			NONE	N/A	N/A	7,8		
Colour ISO 7887-B:2011								
Spectral absorption coefficient $\lambda = 436$ nm			m ⁻¹	N/A	N/A	<2		
Spectral absorption coefficient $\lambda = 525$ nm			m ⁻¹	N/A	N/A	<2		
Spectral absorption coefficient $\lambda = 620$ nm			m ⁻¹	N/A	N/A	<1		
pH value after filtration				N/A	N/A	7,8		
BOD₅ - Biological oxygen demand (5 days) According to ISO 5815-1:2019 and ISO 5815-2:2003								
BOD ₅		< 5	mg/L	N/A	N/A	26		
Total-P - Total phosphorus According to ISO 15587:2002, ISO 11885:2007								
Total-P		< 0,1	mg/L	N/A	N/A	0,47		
Oil and Grease According to ISO 9377-2:2000								
Oil and Grease		< 0,5	mg/L	N/A	N/A	< 0,5		
Phenols According to APHA 5530C+D								
Phenol	108-95-2	< 0,001	mg/L	N/A	N/A	< 0,001		
Coliform (UFC/100ml) According to ISO 9308-1:2014								
Coliform (UFC/100ml)		< 10	bacteria/100 ml	N/A	N/A	> 800.000		
Metals According to ISO 15587:2002, ISO 17294-2:2016 and ISO 11885:2007								
Pb		< 0,01	mg/L	< 0,01	< 0,01	< 0,01		
Cd		< 0,01	mg/L	< 0,01	< 0,01	< 0,01		
Hg		< 0,001	mg/L	< 0,001	< 0,001	< 0,001		
Sb		< 0,01	mg/L	< 0,01	< 0,01	< 0,01		
As		< 0,005	mg/L	< 0,005	< 0,005	< 0,005		

TEST REPORT: 22.42115a dated 11 October 2022

	CAS No.	limit	udm	Incoming	Raw	Discharge		
Co		< 0,01	mg/L	< 0,01	< 0,01	< 0,01		
Cu		< 0,25	mg/L	< 0,25	< 0,25	< 0,25		
Ni		< 0,05	mg/L	< 0,05	< 0,05	< 0,05		
Zn		< 0,5	mg/L	< 0,5	2,44	1,93		
Cr		< 0,05	mg/L	< 0,05	< 0,05	< 0,05		
Ag		< 0,005	mg/L	< 0,005	< 0,005	< 0,005		

Cr (VI) - Hexavalent Chromium
 ISO 18412:2005

Cr VI		< 0,001	mg/L	0,002	0,002	< 0,001		
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Total-N - Total nitrogen
 ISO 5663:1984

Total-N		< 5	mg/L	N/A	N/A	34		
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Ammonium-N - Ammonium nitrogen
 ISO 7150-1:1984

Ammonium-N	7664-41-7	< 0,5	mg/L	N/A	N/A	10,4		
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Sulfide
 According to ISO 10530:1992

Sulfide	18496-25-8	< 0,01	mg/L	N/A	N/A	< 0,01		
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Sulfite
 ISO 10304-3:1997

Sulfite	14265-45-3	< 0,2	mg/L	N/A	N/A	< 0,2		
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Disperse Dyes
 According to DIN 54231

Disperse Blue 102	12222-97-8	< 50	µg/L	N/A	< 50	< 50		
Disperse Blue 106	12223-01-07	< 50	µg/L	N/A	< 50	< 50		
Disperse Blue 124	61951-51-7	< 50	µg/L	N/A	< 50	< 50		
Disperse Blue 26	3860-63-7	< 50	µg/L	N/A	< 50	< 50		
Disperse Blue 35	12222-75-2	< 50	µg/L	N/A	< 50	< 50		
Disperse Blue 7	3179-90-6	< 50	µg/L	N/A	< 50	< 50		
Disperse Brown 1	23355-64-8	< 50	µg/L	N/A	< 50	< 50		
Disperse Orange 1	2581-69-3	< 50	µg/L	N/A	< 50	< 50		
Disperse Orange 3	730-40-5	< 50	µg/L	N/A	< 50	< 50		
Disperse Orange 37/59/76	13301-61-6	< 50	µg/L	N/A	< 50	< 50		
Disperse Red 1	2872-52-8	< 50	µg/L	N/A	< 50	< 50		
Disperse Red 11	2872-48-2	< 50	µg/L	N/A	< 50	< 50		

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	CAS No.	limit	udm	Incoming	Raw	Discharge		
Disperse Red 17	3179-89-3	< 50	µg/L	N/A	< 50	< 50		
Disperse Yellow 1	119-15-3	< 50	µg/L	N/A	< 50	< 50		
Disperse Yellow 3	2832-40-8	< 50	µg/L	N/A	< 50	< 50		
Disperse Yellow 39	12236-29-2	< 50	µg/L	N/A	< 50	< 50		
Disperse Yellow 49	54824-37-2	< 50	µg/L	N/A	< 50	< 50		
Disperse Yellow 9	6373-73-5	< 50	µg/L	N/A	< 50	< 50		

Cyanide

According to ISO 6703-1:1984

Cyanide	57-12-5	< 0,05	mg/L	N/A	N/A	< 0,05		
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AOX

According to ISO 9562:2004

AOX		< 0,1	mg/L	N/A	N/A	< 0,1		
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