

SOFTLINES WASTEWATER TESTING
TEST REPORT

Number: TURA180174542

Date: 15 / 10 / 2018

Factory:
Factory's name : MERKOTEKS TEKSTİL SANAYİ VE TİCARET A.Ş.
Address : 15 Temmuz Mah., Halkalı Cad., No:113, Güneşli – Bağcılar/ İstanbul

Date of sampling : 25 / 09 / 2018
Sampling Lab : Performed by Intertek Turkey
Testing Lab : Performed by Intertek Turkey

Effluent Treatment Plant: Primary Treatment Chemical

Sample type:
Sample / Incoming11 [Transparent, grab at 14:30]
Sample / Wastewater after treatment [Blue, composite sample at 10:00, 11:00,12:00,13:00,14:00,15:00]
Sample / Sludge [N/A]

Date received/Date test started: 25 / 09 / 2018

Tests conducted:

As requested by a brand program, for details refer to attached page(s).

Summary of test results:

Wastewater / Conventional parameters - Test items	Wastewater after treatment		
	Foundational	Progressive	Aspirational
Temperature [°C]	ND	ND	ND
TSS	D	D	D
COD	ND	D	D
Total-N	ND	ND	ND
pH	D	D	D
Colour [m ⁻¹]	ND	ND	ND
BOD ₅	ND	ND	ND
Ammonium-N	ND	ND	ND
Total-P	ND	ND	D
AOX	ND	ND	D
Oil and grease	ND	ND	D
Phenol	ND	D	D
Coliform [bacterial/100 ml]	ND	ND	ND
Foam	ND	ND	ND
Cyanide	ND	ND	ND
Sulfide	ND	ND	ND
Sulfite	ND	ND	ND



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Wastewater / Heavy metals - Test items	After Treatment		
	Foundational	Progressive	Aspirational
Antimony, Sb	ND	ND	ND
Chromium, Cr (total)	ND	ND	ND
Cobalt, Co	ND	ND	ND
Copper, Cu	ND	ND	ND
Nickel, Ni	ND	ND	ND
Silver, Ag	ND	ND	ND
Zinc, Zn	ND	ND	ND
Arsenic, As	ND	ND	ND
Cadmium, Cd	ND	ND	ND
Chromium (VI), Cr VI	ND	ND	ND
Lead, Pb	ND	ND	ND
Mercury, Hg	ND	ND	ND

Test items	Incoming	After Treatment
Heavy metals	-	ND
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	-	ND
Chlorobenzenes and Chlorotoluenes	-	ND
Chlorophenols	-	ND
Azo dyes (Forming restricted amines)	-	ND
Carcinogenic dyes	-	ND
Disperse dyes	-	ND
Flame retardants	-	ND
Glycols	-	ND
Halogenated solvents	-	ND
Organotin compounds	-	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	-	ND
Phthalates (Ortho-phthalates)	-	ND
Polycyclic aromatic hydrocarbons (PAHs)	-	ND
Volatile organic compounds (VOCs)	-	ND



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Note :	
ND = Not detected or result less than limit	
D = Detected <i>[please specify actual result]</i> or result above limit	
N/A = Not applicable	- = Did not perform
# = No comment	* = See Remark

Prepared and Checked By:



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Sample / Wastewater

1. Conventional parameters

Parameters	Test method	Limit			After Treatment
		Foundational	Progressive	Aspirational	Results
Temperature	EPA 170.1	35°C	30°C	25°C	23.7 °C
TSS	SM 2540 D	50 mg/L	15 mg/L	5 mg/L	52 mg/L
COD	SM 5220 B, D	150 mg/L	80 mg/L	40 mg/L	87 mg/L
Total-N	SM 4500N-C	20 mg/L	10 mg/L	5 mg/L	ND
pH	EPA 150.1	6-9	6-9	6-9	10.8
Colour [m ⁻¹] (436nm, 525nm, 620nm)	ISO 7887-B	7; 5; 3	5; 3; 2	2; 1; 1	ND; ND; ND
BOD ₅	SM 5210 B,D	30 mg/L	15 mg/L	5 mg/L	ND
Ammonium-N	SM 4500 NH ₃ -N	10 mg/L	1 mg/L	0.5 mg/L	ND
Total-P	ISO 11885	3 mg/L	0.5 mg/L	0.1 mg/L	0.2 mg/L
AOX	ISO 9562	5 mg/L	1 mg/L	0.1 mg/L	0.23 mg/L
Oil and grease	EPA 1664	10 mg/L	2 mg/L	0.5 mg/L	3.2 mg/L
Phenol	SM 5330 B&C, D	0.5 mg/L	0.01 mg/L	0.001 mg/L	0.18 mg/L
Coliform [bacterial/100 ml]	ISO 9308-1	400	100	25	ND
Foam	/	Not visible	Not visible	Not visible	ND
Cyanide	ISO 6703 / ISO 14403	0.2 mg/L	0.1 mg/L	0.05 mg/L	ND
Sulfide	SM 4500-S ² -D	0.5 mg/L	0.05 mg/L	0.01 mg/L	ND
Sulfite	USEPA 377.1	2 mg/L	0.5 mg/L	0.2 mg/L	ND

Remark: ND = result less than Aspirational limit

2. Heavy metals

With reference to ISO 11885, ISO 18412, ISO 12846, ISO 17852, US EPA 200.7, US EPA 200.8, US EPA 6010c, US EPA 6020a, US EPA 218.6 and by Inductively Coupled Argon Plasma-Mass Spectrometry (ICP-MS) analysis.

Chemical substances	CAS no.	Limit			Detection limit	After Treatment (mg/L)
		Foundational	Progressive	Aspirational		
Antimony, Sb	7440-36-0	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.0025mg/L	ND
Chromium, Cr (total)	7440-47-3	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.0025mg/L	ND
Cobalt, Co	7440-48-4	0.05 mg/L	0.02 mg/L	0.01 mg/L	0.0025mg/L	ND



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Copper, Cu	7440-50-8	1 mg/L	0.5 mg/L	0.25 mg/L	0.0025mg/L	ND
Nickel, Ni	7440-02-0	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.0025mg/L	ND
Silver, Ag	7440-22-4	0.1 mg/L	0.05 mg/L	0.005 mg/L	0.0025mg/L	ND
Zinc, Zn	7440-66-6	5.0 mg/L	1.0 mg/L	0.5 mg/L	0.0025mg/L	ND
Arsenic, As	7440-38-2	0.05 mg/L	0.01 mg/L	0.005 mg/L	0.0025mg/L	ND
Cadmium, Cd	7440-43-9	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.0025mg/L	ND
Chromium (VI), Cr VI	7440-47-3	0.05 mg/L	0.005 mg/L	0.001 mg/L	0.00095 mg/L	ND
Lead, Pb	7439-92-1	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.0025mg/L	ND
Mercury, Hg	7439-97-6	0.01 mg/L	0.005 mg/L	0.001 mg/L	0.00025 mg/L	ND

Remark: ND = result less than Aspirational limit

3. Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)

With reference to ISO 18857-2/ASTM D7065, ISO 18254-1/2, and by Gas Chromatography-Mass Spectrometry (GC-MS) and Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5 µg/L	ND
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	5 µg/L	ND
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	5 µg/L	ND
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	5 µg/L	ND

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4. Chlorobenzenes and Chlorotoluenes

With reference to US EPA 8260B, US EPA 8270D, and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Monochlorobenzene	108-90-7	0.2 µg/L	ND
4-Chlorotoluene	106-43-4	0.2 µg/L	ND
1,2-Dichlorobenzene	95-50-1	0.2 µg/L	ND
1,3-Dichlorobenzene	541-73-1	0.2 µg/L	ND
1,4-Dichlorobenzene	106-46-7	0.2 µg/L	ND
1,2,4-Trichlorobenzene	120-82-1	0.2 µg/L	ND
1,2,3-Trichlorobenzene	87-61-6	0.2 µg/L	ND
1,3,5-Trichlorobenzene	108-70-3	0.2 µg/L	ND
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2 µg/L	ND
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2 µg/L	ND
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2 µg/L	ND
Pentachlorobenzene	608-93-5	0.2 µg/L	ND
Hexachlorobenzene	118-74-1	0.2 µg/L	ND
2-Chlorotoluene	95-49-8	0.2 µg/L	ND
3-Chlorotoluene	108-41-8	0.2 µg/L	ND
2,3-Dichlorotoluene	32768-54-0	0.2 µg/L	ND
2,4-Dichlorotoluene	95-73-8	0.2 µg/L	ND
2,5-Dichlorotoluene	19398-61-9	0.2 µg/L	ND
2,6-Dichlorotoluene	118-69-4	0.2 µg/L	ND
3,4-Dichlorotoluene	95-75-0	0.2 µg/L	ND
3,5-Dichlorotoluene	25186-47-4	0.2 µg/L	ND
2,3,4-Trichlorotoluene	7359-72-0	0.2 µg/L	ND
2,3,6-Trichlorotoluene	2077-46-5	0.2 µg/L	ND
2,4,6-Trichlorotoluene	23749-65-7	0.2 µg/L	ND
2,4,5-Trichlorotoluene	6639-30-1	0.2 µg/L	ND
3,4,5-Trichlorotoluene	21472-86-6	0.2 µg/L	ND
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2 µg/L	ND
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2 µg/L	ND
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2 µg/L	ND
Pentachlorotoluene	877-11-2	0.2 µg/L	ND

Remark: ND = result less than Aspirational limit



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5. Chlorophenols

With reference to US EPA 8270D and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
2-Chlorophenol	95-57-8	0.5 µg/L	ND
2,4-Dichlorophenol	120-83-2	0.5 µg/L	ND
2,5-Dichlorophenol	583-78-8	0.5 µg/L	ND
2,6-Dichlorophenol	87-65-0	0.5 µg/L	ND
Pentachlorophenol (PCP)	87-86-5	0.5 µg/L	ND
2,3,4,6-Tetrachlorophenol	58-90-2	0.5 µg/L	ND
2,4,5-Trichlorophenol	95-95-4	0.5 µg/L	ND
2,4,6-Trichlorophenol	88-06-2	0.5 µg/L	ND
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5 µg/L	ND
2,3,5,6-Tetrachlorophenol	935-95-5	0.5 µg/L	ND
2,3,6-Trichlorophenol	933-75-5	0.5 µg/L	ND
2,3,4-Trichlorophenol	15950-66-0	0.5 µg/L	ND
2,3,5-Trichlorophenol	933-78-8	0.5 µg/L	ND
3,4,5-Trichlorophenol	609-19-8	0.5 µg/L	ND
3,5- Dichlorophenol	591-35-5	0.5 µg/L	ND
2,3-Dichlorophenol	576-24-9	0.5 µg/L	ND
3,4-Dichlorophenol	95-77-2	0.5 µg/L	ND
3-chlorophenol	108-43-0	0.5 µg/L	ND
4-chlorophenol	106-48-9	0.5 µg/L	ND

Remark: ND = result less than Aspirational limit

6. Azo dyes (Forming restricted amines)

With reference to EN 14362-1/3, and by Gas Chromatographic - Mass Spectrometric (GC-MS) or and Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
2,4,5-Trimethylaniline	137-17-7	0.1 µg/L	ND
2,4-Diaminoanisole	615-05-4	0.1 µg/L	ND
2,4-Diaminotoluene	95-80-7	0.1 µg/L	ND
2,4-Xylidine	95-68-1	0.1 µg/L	ND
2,6-Xylidine	87-62-7	0.1 µg/L	ND
2-Naphthylamine	91-59-8	0.1 µg/L	ND
3,3'-Dichlorobenzidine	91-94-1	0.1 µg/L	ND
3,3'-Dimethoxybenzidine	119-90-4	0.1 µg/L	ND



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3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	0.1 µg/L	ND
3,3'-Dimethylbenzidine	119-93-7	0.1 µg/L	ND
4,4'-Diaminodiphenylmethane	101-77-9	0.1 µg/L	ND
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1 µg/L	ND
4,4'-Oxydianiline	101-80-4	0.1 µg/L	ND
4,4'-Thiodianiline	139-65-1	0.1 µg/L	ND
4-Aminobiphenyl	92-67-1	0.1 µg/L	ND
4-Chloroaniline	106-47-8	0.1 µg/L	ND
4-Chloro-o-toluidine	95-69-2	0.1 µg/L	ND
5-Nitro-o-toluidine	99-55-8	0.1 µg/L	ND
4-Aminoazobenzene	60-09-3	0.1 µg/L	ND
Benzidine	92-87-5	0.1 µg/L	ND
o-Aminoazotoluene	97-56-3	0.1 µg/L	ND
o-Anisidine	90-04-0	0.1 µg/L	ND
o-Toluidine	95-53-4	0.1 µg/L	ND
p-Cresidine	120-71-8	0.1 µg/L	ND

Remark: ND = result less than Aspirational limit

7. Carcinogenic dyes

By Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
C.I. Direct Black 38	1937-37-7	500 µg/L	ND
C.I. Direct Blue 6	2602-46-2	500 µg/L	ND
C.I. Acid Red 26	3761-53-3	500 µg/L	ND
C.I. Basic Red 9	569-61-9	500 µg/L	ND
C.I. Direct Red 28	573-58-0	500 µg/L	ND
C.I. Basic Violet 14	632-99-5	500 µg/L	ND
C.I. Disperse Blue 1	2475-45-8	500 µg/L	ND
C.I. Disperse Blue 3	2475-46-9	500 µg/L	ND
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500 µg/L	ND
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500 µg/L	ND
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500 µg/L	ND
C.I. Basic Green 4 (malachite green)	10309-95-2	500 µg/L	ND
Disperse Orange 11	82-28-0	500 µg/L	ND

Remark: ND = result less than Aspirational limit



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8. Disperse dyes

By Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Disperse Yellow 1	119-15-3	50 ug/L	ND
Disperse Blue 102	12222-97-8	50 ug/L	ND
Disperse Blue 106	12223-01-7	50 ug/L	ND
Disperse Yellow 39	12236-29-2	50 ug/L	ND
Disperse Orange 37/59/76	13301-61-6	50 ug/L	ND
Disperse Brown 1	23355-64-8	50 ug/L	ND
Disperse Orange 1	2581-69-3	50 ug/L	ND
Disperse Yellow 3	2832-40-8	50 ug/L	ND
Disperse Red 11	2872-48-2	50 ug/L	ND
Disperse Red 1	2872-52-8	50 ug/L	ND
Disperse Red 17	3179-90-6	50 ug/L	ND
Disperse Blue 7	3179-90-6	50 ug/L	ND
Disperse Blue 26	3860-63-7	50 ug/L	ND
Disperse Yellow 49	54824-37-2	50 ug/L	ND
Disperse Blue 35	12222-75-2 56524-77-7	50 ug/L	ND
Disperse Blue 124	61951-51-7	50 ug/L	ND
Disperse Yellow 9	6373-73-5	50 ug/L	ND
Disperse Orange 3	730-40-5	50 ug/L	ND

Remark: ND = result less than Aspirational limit

9. Flame retardants

With reference to US EPA 8270, ISO 22032, US EPA 527, EPA 8321B, and by Gas Chromatography - Mass Spectrometry (GC-MS) analysis and Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Decabromodiphenyl ether (DecaBDE)	1163-19-5	5 µg/L	ND
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	5 µg/L	ND
Octabromodiphenyl ether (OctaBDE)	32536-52-0	5 µg/L	ND
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	5 µg/L	ND
Polybromobiphenyls (PBBs)	59536-65-1	5 µg/L	ND
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	5 µg/L	ND
Tetrabromobisphenol A (TBBPA)	79-94-7	5 µg/L	ND
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5 µg/L	ND
Bis(2,3-dibromopropyl) phosphate	5412-25-9	5 µg/L	ND
Hexabromocyclododecane (HBCDD)	3194-55-6	5 µg/L	ND

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2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	5 µg/L	ND
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	5 µg/L	ND
Short chain chlorinated paraffins (SCCP) (C10-C13)	85535-84-8	5 µg/L	ND

Remark: ND = result less than Aspirational limit

10. Glycols

With reference to US EPA 8270 and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Bis(2-methoxyethyl)-ether	111-96-6	50 ug/L	ND
2-ethoxyethanol	110-80-5	50 ug/L	ND
2-ethoxyethyl acetate	111-15-9	50 ug/L	ND
Ethylene glycol dimethyl ether	110-71-4	50 ug/L	ND
2-methoxyethanol	109-86-4	50 ug/L	ND
2-methoxyethylacetate	110-49-6	50 ug/L	ND
2-methoxypropylacetate	70657-70-4	50 ug/L	ND
Triethylene glycol dimethyl ether	112-49-2	50 ug/L	ND

Remark: ND = result less than Aspirational limit

11. Halogenated solvents

With reference to US EPA 8260B, and by Headspace Gas Chromatography Mass Spectrometric (HS-GC/MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
1,2-Dichloroethane	107-06-2	1 µg/L	ND
Methylene chloride	75-09-2	1 µg/L	ND
Tetrachloroethene	127-18-4	1 µg/L	ND
Trichloroethene	79-01-6	1 µg/L	ND

Remark: ND = result less than Aspirational limit



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12. Organotin compounds

With reference to ISO 17353, and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Mono-, di- and tri-butyltin derivatives	Multiple	0.01 µg/L	ND
Mono, di-, and tri-octyltin derivatives	Multiple	0.01 µg/L	ND
Mono, di-, and tri-methyltin derivatives	Multiple	0.01 µg/L	ND
Mono, di-, and tri-phenyltin derivatives	Multiple	0.01 µg/L	ND

Remark: ND = result less than Aspirational limit

13. Perfluorinated & polyfluorinated chemicals (PFCs)

With reference to DIN 38407-42 (modified), and Liquid Chromatography-tandem Mass Spectrometry (LC-MS-MS) analysis and Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
PFOA	335-67-1	0.01 µg/L	ND
PFOS	335-46-4; 432-50-7	0.01 µg/L	ND
PFBS	29420-49-3; 29420-43-3	0.01 µg/L	ND
PFHxA	307-24-4	0.01 µg/L	ND
8:2 FTOH	678-39-7	1 µg/L	ND
6:2 FTOH	647-42-7	1 µg/L	ND

Remark: ND = result less than Aspirational limit

14. Phthalates (Ortho-phthalates)

With reference to US EPA 8270D, ISO 18856 and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	10 µg/L	ND
Butyl benzyl phthalate (BBP)	85-68-7	10 µg/L	ND
Di-n-butyl phthalate (DBP)	84-74-2	10 µg/L	ND
Diethyl phthalate	84-66-2	10 µg/L	ND
Di-n-octyl phthalate (DNOP)	117-84-0	10 µg/L	ND
Di-isononyl phthalate (DINP)	28553-12-0	10 µg/L	ND
Di-iso-decyl phthalate (DIDP)	26761-40-0	10 µg/L	ND



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Di-isobutyl phthalate (DIBP)	84-69-5	10 µg/L	ND
Di-n-hexyl phthalate	84-75-3	10 µg/L	ND
Dimethoxyethyl phthalate (DMEP)	117-82-8	10 µg/L	ND
Di-n-propyl phthalate (DPRP)	131-16-8	10 µg/L	ND
Di-iso-octyl phthalate (DIOP)	27554-26-3	10 µg/L	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	10 µg/L	ND
Dinonyl phthalate (DNP)	84-76-4	10 µg/L	ND
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	10 µg/L	ND
1,2-benzenedicarboxylic acid, di-C6-11-branched alkyl esters, C7-rich (DIHP)	71888-89-6	10 µg/L	ND

Remark: ND = result less than Aspirational limit

15. Polycyclic aromatic hydrocarbons (PAHs)

With reference to US EPA 8270, DIN 38407-39 and by Gas Chromatography - Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Benzo[a]pyrene (BaP)	50-32-8	1 µg/L	ND
Anthracene	120-12-7	1 µg/L	ND
Pyrene	129-00-0	1 µg/L	ND
Benzo[ghi]perylene	191-24-2	1 µg/L	ND
Benzo[e]pyrene	192-97-2	1 µg/L	ND
Indeno[1,2,3-cd]pyrene	193-39-5	1 µg/L	ND
Benzo[j]fluoranthene	205-82-3	1 µg/L	ND
Benzo[b]fluoranthene	205-99-2	1 µg/L	ND
Fluoranthene	206-44-0	1 µg/L	ND
Benzo[k]fluoranthene	207-08-9	1 µg/L	ND
Acenaphthylene	208-96-8	1 µg/L	ND
Chrysene	218-01-9	1 µg/L	ND
Dibenz[a,h]anthracene	53-70-3	1 µg/L	ND
Benzo[a]anthracene	56-55-3	1 µg/L	ND
Acenaphthene	83-32-9	1 µg/L	ND
Phenanthrene	85-01-8	1 µg/L	ND
Fluorene	86-73-7	1 µg/L	ND
Naphthalene	91-20-3	1 µg/L	ND

Remark: ND = result less than Aspirational limit



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16. Volatile organic compounds (VOCs)

With reference to ISO 11423-1, and by Headspace Gas Chromatography Mass Spectrometric (HS-GC/MS) analysis.
With reference to US EPA 8270D, and by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Chemical substances	CAS no.	Reporting limit	After Treatment (mg/L)
Benzene	71-43-2	1 ug/L	ND
Xylene	1330-20-7	1 ug/L	ND
o-cresol	95-48-7	1 ug/L	ND
p-cresol	106-44-5	1 ug/L	ND
m-cresol	108-39-4	1 ug/L	ND

Remark: ND = result less than Aspirational limit

Testing period: From 25 / 09 / 2018 to 15 / 10 / 2018



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<p>Front of the production unit</p> 	<p>Panoramic view of the own ETP</p> 
<p>Sampling location (incoming water)</p> 	<p>Sampling location (after treatment)</p> 
<p>Incoming Water Samples</p> 	<p>After Treatment Samples</p> 

End of report

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