

TEST REPORT

SOFTLINES WASTEWATER TESTING

Number : SHAT06990151

Date : Aug 06, 2021

Factory:

Factory's name : SUZHOU HIGH VIEW INDUSTRIAL CO., LTD
Address : NO.499 BEIYINFENG ROAD HEDONG INDUSTRY WUZHONG SUZHOU
On-site Wastewater treatment plant : Yes
Type of wastewater discharge : Indirect discharge

Date of sampling : Jul 19, 2021

Sample type
Sample / Incoming water : Colorless, grab sample at 10:15
Sample / Raw wastewater : Blue, composite sample at 08:03; 09:03; 10:03; 11:03; 12:03; 13:03; 14:03
Sample / Wastewater (treated) : Yellow, composite sample at 08:16; 09:16; 10:16; 11:16; 12:16; 13:16; 14:16

ZDHC sampler accreditation certification number : 8F146506857

Local legal standard name^[a] : Discharge standards of water pollutants for dyeing and finishing of textile industry/ Discharge Standard of Antimony Pollutants in Wastewater for Textile Dyeing and Finishing

Local legal standard no. ^[a] : GB 4287-2012/ DB 32/3432-2018

Parameters (ZDHC WWG V1,1, Table 1A-1B) exceeded local regulation : No exceeded
Discharge permit provided : Yes
Ambient temperature of receiving water body : N/A
Date of received/Date test started : Jul 19, 2021 PM
Test performing period : Jul 19, 2021 PM to Aug 04, 2021

Tests conducted:

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

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jane Wu
General Manager of Softlines

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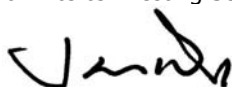
Number : SHAT06990151

Summary of test results:

Wastewater / Conventional parameters - Test items	Wastewater (Treated)		
	Foundational	Progressive	Aspirational
Temperature [°C] / Δ	36.5		
TSS	X		
COD		X	
Total-N		X	
Ph	7.9		
Colour [m-1]		X	
BOD ₅		X	
Ammonium-N	X		
Total-P		X	
AOX		X	
Oil and grease			X
Phenol		X	
Coliform [bacterial/100 ml]	2.4x10 ³		
Foam	Not visible		
Cyanide			X
Sulfide			X
Sulfite			X

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

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

Note :	
ND = Not detected	
D = Detected <i>[please specify actual result]</i>	
N/A = Not applicable	- = Did not perform
# = No comment	* = See Remark
@ = Maximum holding time exceeded.	
[a] = The local legal standard name and legal standard no. is referenced to discharge permit (or contractual agree by CETP) that provided by applicant.	
This report shown the test result of the environment samples of above factory which collected on specific date and time. The results of this report shall not be used for any regulatory compliance purposes.	

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jane Wu
General Manager of Softlines

Intertek Testing Services Ltd., Shanghai

2/F, Building No.4, Shanghai Comalong Technology Service Park,
889 Yishan Road, Shanghai 200233, China
上海天祥质量技术服务有限公司

中国上海宜山路 889 号上海齐来科技服务园区 4 号楼 2 楼 邮编:200233
Tel: +86 21 5339 5999 Fax: +86 21 5426 2030 E-mail: textile.shanghai@intertek.com Website: Intertek.com
Attention is drawn to the terms and conditions printed overleaf

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Tests Conducted (As Requested By The Applicant)

Sample / Wastewater

1 Conventional Parameters:

Parameters	Test method	Limit			Legal* Requirement	Reporting limit	Result
		Foundational	Progressive	Aspirational			Wastewater (Treated)
Temperature	GB/T 13195 / EPA 170.1	△15 or 35°C	△10 or 30°C	△5 or 25°C	N/A	N/A	36.5 °C
TSS	GB/T 11901 / EPA 160.2	50 mg/L	15 mg/L	5 mg/L	100 mg/L	5 mg/L	22 mg/L
COD	HJ 828 / ISO 6060	150 mg/L	80 mg/L	40 mg/L	200 mg/L	16 mg/L	67 mg/L
Total-N	HJ 636 / ISO 5663	20 mg/L	10 mg/L	5 mg/L	30 mg/L	1 mg/L	6 mg/L
pH	HJ 1147 / EPA 150.1	6-9			6-9	N/A	7.9
Colour [m-1]	ISO 7887-B	7;5;3	5;3;2	2;1;1	N/A	N/A	2.4;2.5;1.6
BOD ₅	HJ 505 / APHA 5210	30 mg/L	15 mg/L	5 mg/L	50 mg/L	2.0 mg/L	6.5 mg/L
Ammonium-N	HJ 535 / ISO 11732	10 mg/L	1 mg/L	0.5 mg/L	20 mg/L	0.2 mg/L	1.4 mg/L
Total-P	GB/T 11893 / ISO 11885	3 mg/L	0.5 mg/L	0.1 mg/L	1.5 mg/L	0.04 mg/L	0.34 mg/L
AOX	HJ/T 83 / ISO 9562	5 mg/L	1 mg/L	0.1 mg/L	N/A	0.06 mg/L	0.24 mg/L
Oil and grease	HJ 637 / ISO 9377-2	10 mg/L	2 mg/L	0.5 mg/L	N/A	0.5 mg/L	ND
Phenol	HJ 503 / ISO 14402	0.5 mg/L	0.01 mg/L	0.001 mg/L	N/A	0.001 mg/L	0.003 mg/L
Coliform [bacterial/ 100 ml]	GB/T 5750.12 / ISO 9308-1	400	100	25	N/A	2 bacterial/ 100 mL	2.4x10 ³ bacterial/ 100 mL
Foam	/	Not visible			N/A	N/A	Not visible
Cyanide	HJ484 / ISO 6703 / ISO 14403	0.2 mg/L	0.1 mg/L	0.05 mg/L	N/A	0.02 mg/L	ND
Sulfide	GB/T 16489 / APHA 4500-S2-D	0.5 mg/L	0.05 mg/L	0.01 mg/L	0.5 mg/L	0.01 mg/L	ND
Sulfite	HJ84/ISO 10304-3 / USEPA 377.1 SM 4500 SO3	2 mg/L	0.5 mg/L	0.2 mg/L	N/A	0.2 mg/L	ND

Remark: ND = Not detected

△ is the degree above ambient temperature of receiving water body.

* Legal requirement based on Regulation/Standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters (mandatory). It is Quoted only when the test method used is identical to the ZDHC WWG listed method.

@ = Maximum holding time exceeded.

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Tests Conducted (As Requested By The Applicant)

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, GB 7467, HJ700, GB7475 and by Inductively Coupled Argon Plasma-Mass Spectrometry (ICP-MS) analysis, or by Colourimetric UV/VIS.

Chemical substances	CAS no.	Limit			Legal* Requirement (mg/L)	Reporting limit (mg/L)	Incoming Water (mg/L)	Raw Wastewater (mg/L)	Wastewater (Treated) (mg/L)
		Foundational (mg/L)	Progressive (mg/L)	Aspirational (mg/L)					
Antimony, Sb	7440-36-0	0.1	0.05	0.01	0.05	0.001	--	0.002	0.003
Chromium, Cr (total)	7440-47-3	0.2	0.1	0.05	N/A	0.001	--	0.035	0.004
Cobalt, Co	7440-48-4	0.05	0.02	0.01	N/A	0.001	--	0.002	0.001
Copper, Cu	7440-50-8	1.0	0.5	0.25	N/A	0.001	--	0.012	0.003
Nickel, Ni	7440-02-0	0.2	0.1	0.05	N/A	0.001	--	0.003	0.006
Silver, Ag	7440-22-4	0.1	0.05	0.005	N/A	0.001	--	ND	ND
Zinc, Zn	7440-66-6	5.0	1.0	0.5	N/A	0.001	--	0.113	0.007
Arsenic, As	7440-38-2	0.05	0.01	0.005	N/A	0.001	--	0.001	ND
Cadmium, Cd	7440-43-9	0.1	0.05	0.01	N/A	0.0001	--	ND	ND
Chromium (VI), Cr VI	18540-29-9	0.05	0.005	0.001	N/A	0.001	--	ND	ND
Lead, Pb	7439-92-1	0.1	0.05	0.01	N/A	0.001	--	0.003	ND
Mercury, Hg	7439-97-6	0.01	0.005	0.001	N/A	0.00005	--	0.00025	0.00020

Remark : ND = Not detected

* Regulation/Standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters (mandatory).

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Nonylphenol(NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5.0	-	ND	ND
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	5.0	-	ND	ND
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	5.0	-	ND	ND
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	5.0	-	ND	ND

Remark : ND = Not detected

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Tests Conducted (As Requested By The Applicant)

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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Monochlorobenzene	108-90-7	0.2	-	ND	ND
1,2-Dichlorobenzene	95-50-1	0.2	-	ND	ND
1,3-Dichlorobenzene	541-73-1	0.2	-	ND	ND
1,4-Dichlorobenzene	106-46-7	0.2	-	ND	ND
1,2,4-Trichlorobenzene	120-82-1	0.2	-	ND	ND
1,2,3-Trichlorobenzene	87-61-6	0.2	-	ND	ND
1,3,5-Trichlorobenzene	108-70-3	0.2	-	ND	ND
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	-	ND	ND
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	-	ND	ND
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	-	ND	ND
Pentachlorobenzene	608-93-5	0.2	-	ND	ND
Hexachlorobenzene	118-74-1	0.2	-	ND	ND
2-Chlorotoluene	95-49-8	0.2	-	ND	ND
3-Chlorotoluene	108-41-8	0.2	-	ND	ND
4-Chlorotoluene	106-43-4	0.2	-	ND	ND
2,3-Dichlorotoluene	32768-54-0	0.2	-	ND	ND
3,4-Dichlorotoluene	95-75-0	0.2	-	ND	ND
2,4-Dichlorotoluene	95-73-8	0.2	-	ND	ND
2,5-Dichlorotoluene	19398-61-9	0.2	-	ND	ND
2,6-Dichlorotoluene	118-69-4	0.2	-	ND	ND
3,5-Dichlorotoluene	25186-47-4	0.2	-	ND	ND
2,3,4-Trichlorotoluene	7359-72-0	0.2	-	ND	ND
2,3,6-Trichlorotoluene	2077-46-5	0.2	-	ND	ND
3,4,5-Trichlorotoluene	21472-86-6	0.2	-	ND	ND
2,4,5-Trichlorotoluene	6639-30-1	0.2	-	ND	ND
2,4,6-Trichlorotoluene	23749-65-7	0.2	-	ND	ND
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	-	ND	ND
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	-	ND	ND
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	-	ND	ND
Pentachlorotoluene	877-11-2	0.2	-	ND	ND

Remark : ND = Not detected

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
2-Chlorophenol	95-57-8	0.5	-	ND	ND
2,4-Dichlorophenol	120-83-2	0.5	-	ND	ND
2,5-Dichlorophenol	583-78-8	0.5	-	ND	ND
2,6-Dichlorophenol	87-65-0	0.5	-	ND	ND
Pentachlorophenol (PCP)	87-86-5	0.5	-	ND	ND
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	-	ND	ND
2,4,5-Trichlorophenol	95-95-4	0.5	-	ND	ND
2,4,6-Trichlorophenol	88-06-2	0.5	-	ND	ND
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	-	ND	ND
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	-	ND	ND
2,3,6-Trichlorophenol	933-75-5	0.5	-	ND	ND
2,3,4-Trichlorophenol	15950-66-0	0.5	-	ND	ND
2,3,5-Trichlorophenol	933-78-8	0.5	-	ND	ND
3,4,5-Trichlorophenol	609-19-8	0.5	-	ND	ND
3,5- Dichlorophenol	591-35-5	0.5	-	ND	ND
2,3-Dichlorophenol	576-24-9	0.5	-	ND	ND
3,4-Dichlorophenol	95-77-2	0.5	-	ND	ND
3-chlorophenol	108-43-0	0.5	-	ND	ND
4-chlorophenol	106-48-9	0.5	-	ND	ND

Remark : ND = Not detected

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
2,4,5-Trimethylaniline	137-17-7	0.1	ND	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	0.1	ND	ND	ND
4-methyl-m-phenylenediamine	95-80-7	0.1	ND	ND	ND
2,4-Xylidine	95-68-1	0.1	ND	ND	ND
2,6-Xylidine	87-62-7	0.1	ND	ND	ND
2-Naphthylamine	91-59-8	0.1	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	0.1	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	ND	ND
4,4'-methylenedianiline	101-77-9	0.1	ND	ND	ND
4,4'-Methylene-bis (2-chloroaniline)	101-14-4	0.1	ND	ND	ND
4,4'-Oxydianiline	101-80-4	0.1	ND	ND	ND
4,4'-Thiodianiline	139-65-1	0.1	ND	ND	ND
4-Aminodiphenyl	92-67-1	0.1	ND	ND	ND
4-Chloroaniline	106-47-8	0.1	ND	0.56	0.32
4-Chloro-o-toluidine	95-69-2	0.1	ND	ND	ND
5-Nitro-o-toluidine	99-55-8	0.1	ND	ND	ND
4-Aminoazobenzene	60-09-3	0.1	ND	ND	ND
Benzidine	92-87-5	0.1	ND	ND	ND
o-Aminoazotoluene	97-56-3	0.1	ND	ND	ND
o-Anisidine	90-04-0	0.1	ND	ND	ND
o-Toluidine	95-53-4	0.1	ND	ND	ND
6-methoxy-m-toluidine	120-71-8	0.1	ND	ND	ND

Remark : ND = Not detected

The Result Of p-Aminoazobenzene Shown For Raw Wastewater/Wastewater Treated Was (Were) Analysed And Confirmed By European Standard EN 14362-3: 2012

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7 Carcinogenic dyes:

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

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

Remark : ND = Not detected

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Tests Conducted (As Requested By The Applicant)

8 Disperse dyes:

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

Chemical Substances	CAS No.	Reporting Limit (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Disperse Yellow 1	119-15-3	50	-	ND	ND
Disperse Blue 102	12222-97-8	50	-	ND	ND
Disperse Blue 106	12223-01-7	50	-	ND	ND
Disperse Yellow 39	12236-29-2	50	-	ND	ND
Disperse Orange 37/59/76	13301-61-6	50	-	ND	ND
Disperse Brown 1	23355-64-8	50	-	ND	ND
Disperse Orange 1	2581-69-3	50	-	ND	ND
Disperse Yellow 3	2832-40-8	50	-	ND	ND
Disperse Red 11	2872-48-2	50	-	ND	ND
Disperse Red 1	2872-52-8	50	-	ND	ND
Disperse Red 17	3179-89-3	50	-	ND	ND
Disperse Blue 7	3179-90-6	50	-	ND	ND
Disperse Blue 26	3860-63-7	50	-	ND	ND
Disperse Yellow 49	54824-37-2	50	-	ND	ND
Disperse Blue 35	12222-75-2 56524-77-7	50	-	ND	ND
Disperse Blue 124	61951-51-7	50	-	ND	ND
Disperse Yellow 9	6373-73-5	50	-	ND	ND
Disperse Orange 3	730-40-5	50	-	ND	ND

Remark : ND = Not detected

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Decabromodiphenyl ether (DecaBDE)	1163-19-5	5.0	-	ND	ND
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	5.0	-	ND	ND
Octabromodiphenylether (OctaBDE)	32536-52-0	5.0	-	ND	ND
Tris(1-aziridiny) phosphine oxide (TEPA)	545-55-1	5.0	-	ND	ND
Polybromobiphenyls (PBBs)	59536-65-1	5.0	-	ND	ND
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	5.0	-	ND	ND
Tetrabromobisphenol A (TBBPA)	79-94-7	5.0	-	ND	ND
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5.0	-	ND	ND
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	5.0	-	ND	ND
Hexabromocyclododecane (HBCDD)	3194-55-6	5.0	-	ND	ND
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	5.0	-	ND	ND
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	5.0	-	ND	ND
Short-chain chlorinated paraffins (SCCP) (C10-C13)	85535-84-8	5.0	-	ND	ND

Remark : ND = Not detected

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10 Glycols:

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

Chemical Substances	CAS No.	Reporting Limit (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Bis(2-methoxyethyl)-ether	111-96-6	50	-	ND	ND
2-ethoxyethanol	110-80-5	50	-	ND	ND
2-ethoxyethyl acetate	111-15-9	50	-	ND	ND
Ethylene glycol dimethyl ether	110-71-4	50	-	ND	ND
2-methoxyethanol	109-86-4	50	-	ND	ND
2-methoxyethylacetate	110-49-6	50	-	ND	ND
2-methoxypropylacetate	70657-70-4	50	-	ND	ND
Triethylene glycol dimethyl ether	112-49-2	50	-	ND	ND

Remark : ND = Not detected

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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
1,2-Dichloroethane	107-06-2	1.0	-	ND	ND
Methylene chloride	75-09-2	1.0	-	ND	ND
Tetrachloroethylene	127-18-4	1.0	-	ND	ND
Trichloroethylene	79-01-6	1.0	-	ND	ND

Remark : ND = Not detected

TEST REPORT

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Mono-, di- and tri-butyltin derivatives	Multiple	0.01	-	ND	ND
Mono, di-, and tri-octyltin derivatives	Multiple	0.01	-	ND	ND
Mono, di-, and tri-methyltin derivatives	Multiple	0.01	-	ND	ND
Mono, di-, and tri-phenyltin derivatives	Multiple	0.01	-	ND	ND

Remark : ND = Not detected

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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
PFOA	335-67-1	0.01	ND	0.03	ND
PFOS	1763-23-1	0.01	ND	ND	ND
PFBS	375-73-5; 29420-49-3; 29420-43-3	0.01	ND	ND	ND
PFHxA	307-24-4	0.01	ND	ND	ND
8:2 FTOH	678-39-7	1.0	ND	ND	ND
6:2 FTOH	647-42-7	1.0	ND	ND	ND

Remark : ND = Not detected

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Tests Conducted (As Requested By The Applicant)

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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	-	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	10	-	ND	ND
Dibutyl phthalate (DBP)	84-74-2	10	-	ND	ND
Diethyl phthalate (DEP)	84-66-2	10	-	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	10	-	ND	ND
Di-isononyl phthalate (DINP)	28553-12-0	10	-	ND	ND
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	-	ND	ND
Di-isobutyl phthalate (DIBP)	84-69-5	10	-	ND	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	10	-	ND	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	-	ND	ND
Di-n-propyl phthalate (DPRP)	131-16-8	10	-	ND	ND
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	-	ND	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	-	ND	ND
Dinonyl phthalate (DNP)	84-76-4	10	-	ND	ND
1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	10	-	ND	ND
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	-	ND	ND

Remark : ND = Not detected

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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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Benzo[a]pyrene (BaP)	50-32-8	1.0	-	ND	ND
Anthracene	120-12-7	1.0	-	ND	ND
Pyrene	129-00-0	1.0	-	ND	ND
Benzo[ghi]perylene	191-24-2	1.0	-	ND	ND
Benzo[e]pyrene	192-97-2	1.0	-	ND	ND
Indeno[1,2,3-cd]pyrene	193-39-5	1.0	-	ND	ND
Benzo[j]fluoranthene	205-82-3	1.0	-	ND	ND
Benzo[b]fluoranthene	205-99-2	1.0	-	ND	ND
Fluoranthene	206-44-0	1.0	-	ND	ND
Benzo[k]fluoranthene	207-08-9	1.0	-	ND	ND
Acenaphthylene	208-96-8	1.0	-	ND	ND
Chrysene	218-01-9	1.0	-	ND	ND
Dibenz[a,h]anthracene	53-70-3	1.0	-	ND	ND
Benzo[a]anthracene	56-55-3	1.0	-	ND	ND
Acenaphthene	83-32-9	1.0	-	ND	ND
Phenanthrene	85-01-8	1.0	-	ND	ND
Fluorene	86-73-7	1.0	-	ND	ND
Naphthalene	91-20-3	1.0	-	ND	ND

Remark : ND = Not detected

16 Volatile Organic Compounds (VOCs):

With reference to ISO 11423-1 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 (µg/L)	Incoming Water (µg/L)	Raw Wastewater (µg/L)	Wastewater (Treated) (µg/L)
Benzene	71-43-2	1.0	-	ND	ND
Xylene	1330-20-7	1.0	-	ND	ND
o-cresol	95-48-7	1.0	-	ND	ND
p-cresol	106-44-5	1.0	-	ND	ND
m-cresol	108-39-4	1.0	-	ND	ND

Remark : ND = Not detected

TEST REPORT

SOFTLINES WASTEWATER TESTING

Number : SHAT06990151

Tests Conducted (As Requested By The Applicant)

Photo of sampling points:



Incoming water



Incoming water



Raw wastewater



Raw wastewater

TEST REPORT

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Tests Conducted (As Requested By The Applicant)



Wastewater (treated)



Wastewater (treated)

TEST REPORT

SOFTLINES WASTEWATER TESTING

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Tests Conducted (As Requested By The Applicant)

Photo of samples:



Incoming water



Raw wastewater



Wastewater (treated)

End of Report

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