

Date of sampling	23/09/2024
Reporting date	09/10/2024

Audit ID	181639	Audit firm	SGS Guangzhou
Company name	SHASING SHAPHENG DYEING CO., LTD. FUJIAN		
Contact person	Deng Chun Zhuang		
Type of tax – tax ID no	91350581749087443L		
Address	WU BAO INDUSTRY-AREA, SHISHI, FUJIAN, CHINA		
Region state province	FUJIAN		
Town city / village	SHISHI		
Zip / Post code	362712		

Type of wastewater discharge	
Type of wastewater discharge	Indirect Discharge with Pre-treatment
Description of the discharge	Discharge to Industrial Park Treatment Plant: Shishi Haitian Environmental Engineering Co., Ltd Address: No. 4 Wubao Control Zone, Wubao Village, Hongshan Town, Shishi City, Quanzhou City, Fujian Province
[If direct discharge] Temperature of receiving water body:	Not applicable

Type of sludge disposal pathway	
Type of sludge disposal pathway	Pathway E

Type of treatment*	
PRELIMINARY	<input type="checkbox"/> Screening/Sieving/Grit remover (< 6 mm) <input type="checkbox"/> Screening/Sieving/Grit remover (≥ 6 mm) <input type="checkbox"/> Homogenization tank <input checked="" type="checkbox"/> pH Correction <input type="checkbox"/> Other (please specify):
PRIMARY	<input checked="" type="checkbox"/> Coagulation/Flocculation <input type="checkbox"/> Dissolved air flotation (DAF) <input type="checkbox"/> Sedimentation tanks or Settler/Clarifier <input type="checkbox"/> Other (please specify):
SECONDARY/BIOLOGICAL	<input checked="" type="checkbox"/> Activated sludge process. Aerobic reactor



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	<input type="checkbox"/> Biological Biofilm reactor (MBBR, SAF, RBC..) <input type="checkbox"/> Sequencing batch reactor (SBR) <input type="checkbox"/> Other (please specify):
TERTIARY	<input type="checkbox"/> Absorption with activated carbon <input type="checkbox"/> High rate filtration <input type="checkbox"/> Techniques (ozone, Fenton reaction, photo catalytic degradation...) <input type="checkbox"/> Other (please specify):

*The information has been provided by the factory.

Sampler accreditation certification number (ZDHC):		C74D106818068 / C74D106818114	
Sampling affiliate		SGS Guangzhou	
Sample description			
	Simple	Composite	Comments
(1) Untreated wastewater	-	Brown, composite sample at 9:16, 10:16, 11:16, 12:16, 13:16, 14:16, 15:16	pH: 7.5 Temperature: 33 °C
(2) Effluent	-	Pale yellow, composite sample at 9:10, 10:10, 11:10, 12:10, 13:10, 14:10, 15:10	pH:7.3 Temperature: 25 °C
(3) Sludge	Black, grab sample at 9:30	-	-
(4) Leachate	-	-	-



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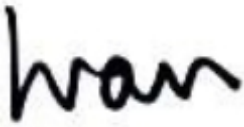
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Internal description – Final Test Report	
Testing laboratory	SGS Guangzhou
Internal codification number (report number)	SL92429335896401TX
Reference sample number (sample ID)	92429335896401-001, 92429335896401-002, 92429335896401-003
Received on	24/09/2024
Analysis carried out from	24/09/2024 to 09/10/2024
Arrival temperature at lab	7.3 °C
Comments	Samples received within 24 hours.

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Ivan Xie (Technical Manager)



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Summary of test results				
Test items	Untreated Wastewater	Effluent	Sludge	Leachate
Conventional Parameters and Anions	-	-	Please refer to the information in TEST RESULTS	-
Heavy Metals	-	Fulfill aspirational limit	Please refer to the information in TEST RESULTS	-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	ND	-	ND	-
Anti- Microbials & Biocides	ND	-	-	-
Chlorinated Paraffins	ND	-	-	-
Chlorobenzenes & Chlorotoluenes	ND	-	ND	-
Chlorophenols	ND	-	-	-
N,N-di-methylformamide (DMFa)	ND	-	-	-
Dyes – Carcinogenic or Equivalent Concern	ND	-	-	-
Dyes – Disperse (Allergenic)	ND	-	-	-
Dyes – Navy Blue Colourant	ND	-	-	-
Flame Retardants	D	-	-	-
Glycols / Glycol Ethers	ND	-	-	-
Halogenated Solvents	ND	-	-	-
Organotin Compounds	ND	-	-	-
Other / Miscellaneous Chemicals	ND	-	-	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	ND	-	-	-
Phthalates – including all other esters of ortho-phthalic acid	ND	-	-	-
Polycyclic Aromatic Hydrocarbons (PAHs)	ND	-	ND	-
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ND	-	-	-
UV Absorbers	ND	-	-	-
VOCs	ND	-	-	-



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SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch Inspection & Testing Services
Guangzhou Branch Physical Services & Textile Laboratory

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Sludge disposal pathway	
Comply sludge disposal pathway	Yes

Remark (indicated in each parameter)

- ND = Not detected (< ZDHC requirements)
- D = Detected (≥ ZDHC requirements)
- NA = Not applicable
- NC = Not conducted
- = Not required to be tested



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Test results

Wastewater

Test Items	Test method	Limit			Reporting Limit	Result	Unit
		Foundational	Progressive	Aspirational		Untreated wastewater	
Wastewater Flowrate	-				NA	3227 (f)	m ³ /day

Remark

= Not required to be tested
 (f) = Parameter tested in field.

1. Heavy Metals

As, Cd, Pb: EPA 200.8
 Hg: USEPA 200.8
 Cr (VI): GB 7467

Test items	CAS no.	Limit			Reporting Limit	Result	Unit
		Foundational	Progressive	Aspirational		Untreated wastewater	
Arsenic (As)	Various	Textile and Leather: 0.05	Textile and Leather: 0.01	Textile and Leather: 0.005	0.005	ND	mg/L
Cadmium (Cd)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	ND	mg/L
Mercury (Hg)	Various	Textile and Leather: 0.01	Textile and Leather: 0.005	Textile and Leather: 0.001	0.001	ND	mg/L
Lead (Pb)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	ND	mg/L
Chromium VI (Cr VI)	Various	Textile: 0.05 Leather: 0.15	Textile: 0.005 Leather: 0.05	Textile: 0.001 Leather: 0.02	0.001	ND	mg/L

Remark

ND = Not detected (< Reporting Limit)
 NA = Not applicable
 - = Not required to be tested



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2. Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs): including all isomers

NP / OP: With reference to ISO 18857-2 (Modified dichloromethane extraction), followed by GC-MS

NPEO / OPEO: Solid phase extraction,analysis with reference to ASTM D7742

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
Nonylphenoethoxylates (NPEOs)	9016-45-9 / 26027-38-3 / 37205-87-1 / 68412-54-4 / 127087-87-0	5	ND	µg/L
Nonylphenol (NP)	104-40-5 / 11066-49-2 / 25154-52-3 / 84852-15-3	5	ND	µg/L
Octylphenoethoxylates (OPEOs)	9002-93-1 / 9036-19-5 / 68987-90-6	5	ND	µg/L
Octylphenol (OP)	140-66-9 / 1806-26-4 / 27193-28-8	5	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)

3. Anti- Microbials & Biocides

o-Phenylphenol (+salts): Solvent extraction,derivatization with KOH, acetic anhydride followed by GC-MS

Triclosan: Solvent extraction followed by GC-MS

Permethrin: Solvent extraction followed by GC-MS

Test items	CAS no.	Reporting Limit	Result	Unit
			Untreated Wastewater	
o-Phenylphenol (+salts)	90-43-7	Textile: 100	ND	µg/L
Triclosan	3380-34-5	Textile and Leather: 100	ND	µg/L
Permethrin	Various	Textile and Leather: 500	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)



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4. Chlorinated Paraffins

MCCPs: Preparation: With reference to USEPA 3510, Analysis: With reference to ISO 18219-2:2021Method for MCCP with GC-MS(NCI)

SCCPs: Preparation: With reference to USEPA 3510, Analysis: With reference to ISO 18219-1:2021Method for SCCP with GC-MS(NCI)

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	500	ND	µg/L
Short-chain Chlorinated Paraffins (C10-C13)	85535-84-8	25	ND	µg/L

Remark

1 µg/L = 0.001ppm

5. Chlorobenzenes & Chlorotoluenes

Chlorobenzenes & Chlorotoluenes: Dichloromethane extraction followed by GC-MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
Monochlorobenzenes	108-90-7	0.2	ND	µg/L
1,2-Dichlorobenzene	95-50-1	0.2	ND	µg/L
1,3-Dichlorobenzene	541-73-1	0.2	ND	µg/L
1,4-Dichlorobenzene	106-46-7	0.2	ND	µg/L
1,2,3-Trichlorobenzene	87-61-6	0.2	ND	µg/L
1,2,4-Trichlorobenzene	120-82-1	0.2	ND	µg/L
1,3,5-Trichlorobenzene	108-70-3	0.2	ND	µg/L
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	ND	µg/L
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	ND	µg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	ND	µg/L
Pentachlorobenzene	608-93-5	0.2	ND	µg/L
Hexachlorobenzene	118-74-1	0.2	ND	µg/L



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2-Chlorotoluene	95-49-8	0.2	ND	µg/L
3-Chlorotoluene	108-41-8	0.2	ND	µg/L
4-Chlorotoluene	106-43-4	0.2	ND	µg/L
2,3-Dichlorotoluene	32768-54-0	0.2	ND	µg/L
2,4-Dichlorotoluene	95-73-8	0.2	ND	µg/L
2,5-Dichlorotoluene	19398-61-9	0.2	ND	µg/L
2,6-Dichlorotoluene	118-69-4	0.2	ND	µg/L
3,4-Dichlorotoluene	95-75-0	0.2	ND	µg/L
3,5-Dichlorotoluene	25186-47-4	0.2	ND	µg/L
2,3,4-Trichlorotoluene	7359-72-0	0.2	ND	µg/L
2,3,6-Trichlorotoluene	2077-46-5	0.2	ND	µg/L
2,4,5-Trichlorotoluene	6639-30-1	0.2	ND	µg/L
2,4,6-Trichlorotoluene	23749-65-7	0.2	ND	µg/L
3,4,5-Trichlorotoluene	21472-86-6	0.2	ND	µg/L
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	ND	µg/L
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	ND	µg/L
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	ND	µg/L
Pentachlorotoluene	877-11-2	0.2	ND	µg/L

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)

6. Chlorophenols

Chlorophenols: Solvent extraction,derivatization with KOH, acetic anhydride followed by GC-MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
2-Chlorophenol	95-57-8	0.5	ND	µg/L
3-Chlorophenol	108-43-0	0.5	ND	µg/L



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

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)

7. N,N-di-methylformamide (DMFa)

DMFa: USEPA 8270 E

Test item	CAS no.	Reporting Limit (Textile)	Result	Unit
			Untreated Wastewater	
N,N-di-methylformamide (DMFa)*	68-12-2	1000	ND	µg/L

Remark



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1 µg/L = 0.001ppm

8. Dyes - Carcinogenic or Equivalent Concern

Dyes - Carcinogenic or Equivalent Concern: With reference to Liquid extraction followed by LC-MS/MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
Basic violet 3 with >0.1% of Michler’s Ketone*	548-62-9	500	ND	µg/L
C.I. Acid Red 26	3761-53-3	500	ND	µg/L
C.I. Acid Violet 49	1694-09-3	500	ND	µg/L
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	ND	µg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	ND	µg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	ND	µg/L
C.I. Basic Green 4 (malachite green)	10309-95-2	500	ND	µg/L
C.I. Basic Red 9	569-61-9	500	ND	µg/L
C.I. Basic Violet 14	632-99-5	500	ND	µg/L
C.I. Direct Black 38	1937-37-7	500	ND	µg/L
C.I. Direct Blue 6	2602-46-2	500	ND	µg/L
C.I. Direct Red 28	573-58-0	500	ND	µg/L
C.I. Disperse Blue 1	2475-45-8	Textile: 500	ND	µg/L
C.I. Disperse Blue 3	2475-46-9	Textile: 500	ND	µg/L
Disperse Orange 11	82-28-0	Textile: 500	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)

* = Reported concentration refers to the dye part only



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9. Dyes - Disperse (Allergenic)

Dyes - Disperse (Allergenic): With reference to Liquid extraction followed by LC-MS/MS

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

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)



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10. Dyes - Navy Blue Colourant

Dyes - Navy Blue Colourant: With reference to Liquid extraction followed by LC-MS/MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	
			Untreated Wastewater	Unit
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND	µg/L
Component 2: C46H-30CrN10O2O52 3Na	Not Allocated	500	ND	µg/L

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)

11. Flame retardants

Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: EPA 200.7

Others: Dichloromethane extraction followed by GC-MS

Test Items	CAS no.	Reporting Limit	Result	
			Untreated Wastewater	Unit
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	Textile: 25 Leather: 5	ND	µg/L
Bis(2,3-dibromopropyl) phosphate	5412-25-9	Textile: 25 Leather: 5	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	Textile: 25 Leather: 5	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	Textile: 25 Leather: 5	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Textile: 25 Leather: 5	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	Textile: 25 Leather: 5	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	Textile: 25 Leather: 5	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	Textile: 25 Leather: 5	ND	µg/L



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Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	Textile: 25 Leather: 5	ND	µg/L
Tris(1-aziridinylphosphine oxide) (TEPA)	545-55-1	Textile: 25 Leather: 5	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	Textile: 25 Leather: 5	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	Textile: 25 Leather: 5	ND	µg/L
Tris(2,3-dibromopropyl phosphate) (TRIS)	126-72-7	Textile: 25 Leather: 5	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	Textile: 25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	Textile: 25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	Textile: 25	ND	µg/L
Dibromopropylether	21850-44-2	Textile: 25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	Textile: 25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	Textile: 25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	Textile: 25	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	Textile: 25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	Textile: 25	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	Textile: 25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	Textile: 25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	Textile: 25	ND	µg/L
Boric acid	10043-35-3 / 11113-50-1	Textile: 100*	130 (743) **	µg/L
Diboron trioxide	1303-86-2	Textile: 100*	130 (419) **	µg/L
Disodium octaborate	12008-41-2	Textile: 100*	130 (885) **	µg/L
Disodium tetraborate anhydrous	1303-96-4 / 1330-43-4	Textile: 100*	130 (605) **	µg/L
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Textile: 100*	130 (695) **	µg/L

Remark

1 µg/L = 0.001ppm



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ND = Not detected (< Reporting Limit)
 * = Limit refers to elemental boron, not the salt.
 ** = Result in term of elemental boron (Result in term of the corresponding boron salt)

12. Glycols / Glycol Ethers

Glycols / Glycol Ethers: With reference to USEPA 8270 E followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
2-ethoxyethanol	110-80-5	50	ND	µg/L
2-ethoxyethyl acetate	111-15-9	50	ND	µg/L
2-methoxyethanol	109-86-4	50	ND	µg/L
2-methoxyethylacetate	110-49-6	50	ND	µg/L
2-methoxypropylacetate	70657-70-4	50	ND	µg/L
Bis(2-methoxyethyl)-ether	111-96-6	50	ND	µg/L
Ethylene glycol dimethyl ether	110-71-4	50	ND	µg/L
Triethylene glycol dimethyl ether	112-49-2	50	ND	µg/L

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)

13. Halogenated Solvents

Halogenated Solvents: With reference to USEPA 8260 D, Purge and Trap or Static Headspace followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
1,2-Dichloroethane	107-06-2	1	ND	µg/L
Methylene chloride	75-09-2	1	ND	µg/L
Tetrachloroethene	127-18-4	1	ND	µg/L
Trichloroethene	79-01-6	1	ND	µg/L



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Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)

14. Organotin compounds

TeET: With reference to ISO 17353

Others: With reference to ISO 17353 or Derivatization with NaB(C₂H₅)₄ followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
Dipropyltin compounds (DPT)	Various	0.01	ND	µg/L
Mono-, di-and tri-butyltin derivatives	Various	0.01	ND	µg/L
Monobutyltin (MBT)	1118-46-3 / 78763-54-9	0.01	ND	µg/L
Dibutyltin (DBT)	1002-53-5	0.01	ND	µg/L
Tributyltin (TBT)	56573-85-4	0.01	ND	µg/L
Mono-, di-and tri-methyltin derivatives	Various	0.01	ND	µg/L
Monomethyltin (MMT)	Various	0.01	ND	µg/L
Dimethyltin (DMT)	Various	0.01	ND	µg/L
Trimethyltin (TMT)	Various	0.01	ND	µg/L
Mono-, di-and tri-octyltin derivatives	Various	0.01	ND	µg/L
Monooctyltin (MOT)	15231-57-9	0.01	ND	µg/L
Diocetyl tin (DOT)	94410-05-6 / 12531-44-4	0.01	ND	µg/L
Triocetyl tin (TOT)	Various	0.01	ND	µg/L
Mono-, di-and tri-phenyltin derivatives	Various	0.01	ND	µg/L
Monophenyltin (MPhT)	Various	0.01	ND	µg/L
Diphenyltin (DPhT)	Various	0.01	ND	µg/L
Triphenyltin (TPhT)	892-20-6 / 668-34-8	0.01	ND	µg/L
Tetrabutyltin compounds (TeBT)	Various	0.01	ND	µg/L
Tripropyltin (TPT)	Various	0.01	ND	µg/L
Tetraoctyltin compounds (TeOT)	Various	0.01	ND	µg/L



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16. Perfluorinated and Polyfluorinated Chemicals (PFCs)

PFCs: With reference to USEPA 537:2020 followed by LC-MS/MS

FTOH: With reference to USEPA 8270 E,Derivatization with acetic anhydride followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
Perfluoro-octane-sulfonic acid (PFOS)*	1763-23-1	0.01	ND	µg/L
N-Ethyl-perfluoro-octane-sulfon-amide (N-Et-FOSA)	4151-50-2	0.01	ND	µg/L
N-Methyl-perfluoro-octane-sulfon-amide (N-Me-FOSA)	31506-32-8	0.01	ND	µg/L
N-Ethyl-Perfluoro-octane-sulfon-amido-ethanol (N-Et-FOSE)	1691-99-2	0.01	ND	µg/L
N-Methyl-perfluoro-octane-sulfon-amido-ethanol (N-Me-FOSE)	24448-09-7	0.01	ND	µg/L
Perfluoro-octane-sulfon-amide (PFOSA)	754-91-6	0.01	ND	µg/L
Perfluoro-octanoic acid (PFOA)**	335-67-1	0.01	ND	µg/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1	ND	µg/L
Methyl Perfluorooctanoate (Me-PFOA)	376-27-2	1	ND	µg/L
Ethyl Perfluorooctanoate (Et-PFOA)	3108-24-5	1	ND	µg/L
1H,1H,2H,2H-Perfluorodecanol (8:2 FTOH)	678-39-7	1	ND	µg/L
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	1	ND	µg/L
8:2 Fluorotelomer methacrylate (8:2 FTMA)	1996-88-9	1	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)

* = PFOS refer to its salts/derivative including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH₄ (CAS No.: 29081-56-9), PFOS-NH(OH)₂ (CAS No.: 70225-14-8), PFOS-N(C₂H₅)₄ (CAS No.: 56773-42-3) and POSF (CAS No.: 307-35-7)

** = PFOA refer to its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1)



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17. Phthalates – including all other esters of ortho-phthalic acid

Phthalates: Dichloromethane extraction, analysis with reference to USEPA8270 E

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated Wastewater	
1,2-benzenedicarboxylic acid, di-C6-8 branched and linearalkyl esters, C7-rich (DIHP)	71888-89-6 / 84777-06-0	10	ND	µg/L
1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4 / 68515-50-4	10	ND	µg/L
Dimethoxyethyl phthalate (DMEP)	117-82-8	10	ND	µg/L
Butyl benzyl phthalate (BBP)	85-68-7	10	ND	µg/L
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	ND	µg/L
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	ND	µg/L
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	ND	µg/L
Di-iso-butyl phthalate (DIBP)	84-69-5	10	ND	µg/L
Di-iso-nonyl phthalate (DINP)	28553-12-0	10	ND	µg/L
Di-n-hexyl phthalate (DnHP)	84-75-3	10	ND	µg/L
Di-n-octyl phthalate (DNOP)	117-84-0	10	ND	µg/L
Di-n-pentylphthalates	131-18-0	10	ND	µg/L
Di-n-propyl phthalate (DPRP)	131-16-8	10	ND	µg/L
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	ND	µg/L
Dibutyl phthalate (DBP)	84-74-2	10	ND	µg/L
Diethyl phthalate (DEP)	84-66-2	10	ND	µg/L
Disopentylphthalates	605-50-5	10	ND	µg/L
Dinonyl phthalate (DNP)	84-76-4	10	ND	µg/L

Remark

1 µg/L = 0.001ppm
 ND = Not detected (< Reporting Limit)



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18. Polycyclic aromatic hydrocarbons (PAHs)

PAHs: Solvent extraction followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
Acenaphthene	83-32-9	1	ND	µg/L
Acenaphthylene	208-96-8	1	ND	µg/L
Anthracene	120-12-7	1	ND	µg/L
Benzo(a)anthracene	56-55-3	1	ND	µg/L
Benzo(a)pyrene (BaP)	50-32-8	1	ND	µg/L
Benzo(b)fluoranthene	205-99-2	1	ND	µg/L
Benzo(e)pyrene	192-97-2	1	ND	µg/L
Benzo(ghi)perylene	191-24-2	1	ND	µg/L
Benzo(j)fluoranthene	205-82-3	1	ND	µg/L
Benzo(k)fluoranthene	207-08-09	1	ND	µg/L
Chrysene	218-01-9	1	ND	µg/L
Dibenz(a,h)anthracene	53-70-3	1	ND	µg/L
Fluoranthene	206-44-0	1	ND	µg/L
Fluorene	86-73-7	1	ND	µg/L
Indeno (1,2,3-cd)pyrene	193-39-5	1	ND	µg/L
Naphthalene	91-20-3	1	ND	µg/L
Phenanthrene	85-01-8	1	ND	µg/L
Pyrene	129-00-0	1	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)



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19. Restricted Aromatic Amines (Cleavable from Azo-colourants)

Restricted Aromatic Amines: Reduction step with sodium dithionite, solvent extraction followed by GC-MS or LC-MS/MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
2-Naphthylamine	91-59-8	0.1	ND	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	ND	µg/L
2,4-Xylidine	95-68-1	0.1	ND	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	ND	µg/L
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	ND	µg/L
2,6-Xylidine	87-62-7	0.1	ND	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	µg/L
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	µg/L
4-Aminoazobenzene	60-09-3	0.1	ND	µg/L
4-Aminobiphenyl	92-67-1	0.1	ND	µg/L
4-Chloro-o-toluidine	95-69-2	0.1	ND	µg/L
4-chloro-o-toluidinium chloride	3165-93-3	0.1	ND	µg/L
4-Chloroaniline	106-47-8	0.1	ND	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisoole sulphate	39156-41-7	0.1	ND	µg/L
2,4-Diaminoanisoole	615-05-4	0.1	ND	µg/L
2,4-Diaminotoluene	95-80-7	0.1	ND	µg/L
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	ND	µg/L
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	0.1	ND	µg/L
4,4'-Diaminodiphenylmethane	101-77-9	0.1	ND	µg/L
4,4'-Oxydianiline	101-80-4	0.1	ND	µg/L
4,4'-Thiodianiline	139-65-1	0.1	ND	µg/L
5-Nitro-o-toluidine	99-55-8	0.1	ND	µg/L



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21. Volatile organic compounds (VOCs)

Benzene, Xylene, Toluene: With reference to USEPA 8260 D, Purge and Trap or Static Headspace followed by GC-MS

m-cresol / o-cresol / p-cresol: USEPA 8270 E, followed by GC-MS

Test Items	CAS no.	Reporting Limit	Result	Unit
			Untreated wastewater	
Benzene	71-43-2	Textile and Leather: 1	ND	µg/L
m-cresol	108-39-4	Textile and Leather: 1	ND	µg/L
o-cresol	95-48-7	Textile and Leather: 1	ND	µg/L
p-cresol	106-44-5	Textile and Leather: 1	ND	µg/L
Xylene	1330-20-7	Textile: 1	ND	µg/L
Toluene	108-88-3	Textile: 1 (Sample and Report only for mock leather)	ND	µg/L

Remark

1 µg/L = 0.001ppm

ND = Not detected (< Reporting Limit)



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SLUDGE

22. Sludge Parameters - Step 1 - Conventional

pH: HJ 962

% Solids: HJ 613 at 105°C

Paint Filter Test: USEPA 9095 B

Fecal Coliform: EPA 1681

Test Items	CAS no.	Limit							Reporting Limit (Textile and Leather)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
pH	-	Sample and Report Only	Sample and Report Only	5-11	5-11	5-11	6.5-9	6.5-9	-	7.73	s.u.
% Solids	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	-	33.3	%
Paint Filter Test	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Pass	Pass	Pass	Sample and Report Only	-	Pass	-
Fecal Coliform	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	1000	1000	1000	170	MPN/g

Remark

ND = Not detected (< Reporting Limit)



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23. Sludge Parameters - Step 1 - Anions

Cyanide: HJ 745

Test Items	CAS no.	Limit - Dry Weight							Reporting Limit (Textile)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Cyanide	-	Sample and Report Only	Sample and Report Only	100	85	70	70	70	20	ND	mg/kg

Remark

ND = Not detected (< Reporting Limit)

24. Sludge Parameters - Step 1 - Metals

Sb, As, Ba, Cd, Co, Cu, Pb, Ni, Se, Ag, Cr, Zn: Preparation: USEPA 3050, Analysis: USEPA 6020 B

Cr VI: Preparation:USEPA 3060 A, Analysis: USEPA 7196

Hg: GB/T 22105.1

Test Items	CAS no.	Limit - Dry Weight		Reporting Limit	Result	Unit
		Total Metals Threshold Values*	Max Total Metals limit for Pathway G		Sludge	
Antimony (Sb)	Various	12	Sample and Report Only	Textile: 5	ND	mg/kg
Arsenic (As)	Various	10	75	Textile: 5 Leather: 2	ND	mg/kg
Barium (Ba)	Various	700	Sample and Report Only	Textile: 200	ND	mg/kg
Cadmium (Cd)	Various	3	85	Textile: 1 Leather: 2	ND	mg/kg
Cobalt (Co)	Various	1600	Sample and Report Only	Textile: 400	ND	mg/kg
Copper (Cu)	Various	200	4300	Textile: 50	184	mg/kg
Lead (Pb)	Various	10	840	Textile: 5 Leather: 2	ND	mg/kg
Nickel (Ni)	Various	70	420	Textile: 20	30	mg/kg



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Selenium (Se)	Various	10	100	Textile: 5	ND	mg/kg
Silver (Ag)	Various	100	Sample and Report Only	Textile: 50	ND	mg/kg
Total Chromium (Cr)	Various	100	3000	Textile: 50	ND	mg/kg
Zinc (Zn)	Various	1000	7500	Textile: 400	ND	mg/kg
Chromium VI (Cr VI)	Various	50	50	Textile: 20 Leather: 2	ND	mg/kg
Mercury (Hg)	Various	1	57	Textile: 1 Leather: 0.2	ND	mg/kg

Remark

ND = Not detected (< Reporting Limit)

* = Leachate should be tested if Total Metals Threshold Values is exceeded in sludge

25. Sludge Parameters - Step 1 - MRLS - Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

NP/OP: Solvent extraction,analysis with reference to ISO 18857-2

NPEO/OPEO: Solvent extraction,analysis with reference to ISO 18254-1

Test Items	CAS no.	Limit - Dry Weight							Reporting Limit (Textile and Leather)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Nonylphenoethoxylates (NPEOs)	9016-45-9 / 26027-38-3 / 37205-87-1 / 68412-54-4 / 127087-87-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Nonylphenol (NP)	104-40-5 / 11066-49-2 / 25154-52-3 / 84852-15-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Octylphenoethoxylates (OPEOs)	9002-93-1 / 9036-19-5 / 68987-90-6	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Octylphenol (OP)	140-66-9 / 1806-26-4 / 27193-28-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg

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26. Sludge Parameters - Step 1 - MRSL - Polycyclic Aromatic Hydrocarbons (PAHs)

PAHs: Solvent extraction,analysis with reference to USEPA 8270 E

Test Items	CAS no.	Limit - Dry Weight							Reporting Limit (Textile)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Acenaphthene	83-32-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Acenaphthylene	208-96-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Anthracene	120-12-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(a)anthracene	56-55-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(a)pyrene (BaP)	50-32-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(b)fluoranthene	205-99-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(e)pyrene	192-97-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(ghi)perylene	191-24-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(j)fluoranthene	205-82-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(k)fluoranthene	207-08-09	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg



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		Report Only	Report Only	Report Only							
Chrysene	218-01-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Dibenz(a,h)anthracene	53-70-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Fluoranthene	206-44-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Fluorene	86-73-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Indeno (1,2,3-cd)pyrene	193-39-5	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Naphthalene	91-20-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Phenanthrene	85-01-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Pyrene	129-00-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

Remark

ND = Not detected (< Reporting Limit)



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27. Sludge Parameters - Step 1 - MRSL - Chlorotoluenes

Chlorotoluenes: Solvent extraction,analysis with reference to USEPA8270 E

Test Items	CAS no.	Limit - Dry Weight							Reporting Limit (Textile and Leather)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
2-Chlorotoluene	95-49-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3-Chlorotoluene	108-41-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
4-Chlorotoluene	106-43-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3-Dichlorotoluene	32768-54-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4-Dichlorotoluene	95-73-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,5-Dichlorotoluene	19398-61-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,6-Dichlorotoluene	118-69-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,4-Dichlorotoluene	95-75-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,5-Dichlorotoluene	25186-47-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,4-Trichlorotoluene	7359-72-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg



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		Report Only	Report Only	Report Only							
2,3,6-Trichlorotoluene	2077-46-5	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4,5-Trichlorotoluene	6639-30-1	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4,6-Trichlorotoluene	23749-65-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,4,5-Trichlorotoluene	21472-86-6	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,4,5-Tetrachlorotoluene	76057-12-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,5,6-Tetrachlorotoluene	29733-70-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,4,6-Tetrachlorotoluene	875-40-1	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Pentachlorotoluene	877-11-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

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Annex A: Sampling photos & Sampling locations

UNTREATED WASTEWATER
GPS Data: 24°44'28.34" N, 118°45'21.97" E
SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



EFFLUENT
GPS Data: 24°44'26.21" N, 118°45'20.76" E
SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



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SLUDGE

GPS Data: 24°44'27.20" N, 118°45'21.46" E

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



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SGS-CSI Standards Technical Service Co., Ltd.
 Guangzhou Branch Inspection & Testing Services Footwear Laboratory

Annex B: On-site Field Data Record Sheet UNTREATED WASTEWATER



受控编号: ZHDC-B_水质采样记录_v3.0_20240101

水质采样记录 Water Sampling Records

任务单号/Task Number: 5896472 采样日期/Sampling Date: 2024, 9, 23 委托单位/Client: 福建协益协丰印染业有限公司
 天气状况/Weather Conditions: 小雨 水体类型/Type of Water: 原水 受检单位/Factory: 福建协益协丰印染业有限公司

其他仪器设备(名称、编号) Other instruments and equipment (name, number): TS-2827
 参考采样规范/Reference Sampling Specification: ZHDC Wastewater and Sludge Laboratory Sampling and Analysis Plan (SAP) HJT 91-2002
 《地表水环境质量监测网监测任务作业指导书》 其他/Other:

样品编号 Sample Number	采样位置 Sampling Location	采样时间 Sampling Time (Hours)	温度/Temp (°C)		pH值 (无量纲)	溶解氧 Dissolved Oxygen (mg/L)	总氯 Total Chlorine (mg/L)	废水量 Wastewater Flow Meter (m ³ /day)	交替测量流量 Alternate Measured Flow		采样体积 Sample Volume (mL)	容器材质 Container Material	保存方式 Storage Method	可见颜色 Visible Colour	持久性泡沫 Persistent Foam (Yes/No)
			废水排放 Wastewater Discharge	接收水体 Receiving Water					深度 Depth (cm)	速度 Velocity (cm/s)					
001	原水	9:16	33		7.5						19L	PVC	1,2,3,4	中褐色	NO
		10:16	33		7.5									中褐色	NO
		11:16	33		7.4									中褐色	NO
		12:16	32		7.5									中褐色	NO
		13:16	33		7.7			工厂运行12个月排放量: Total Industrial Wastewater generated over a 12 months:						中褐色	NO
		14:16	33		7.5									中褐色	NO
		15:16	33		7.5									中褐色	NO
均值 Average			33		7.5									中褐色	NO

工厂运行12个月开工天数:
Total working days in a 12 month period:

备注: 容器材质: P代表PE瓶, G代表玻璃瓶; VOA vial代表棕色玻璃瓶; ST.Steel代表不锈钢; G-TLC代表量子泵储液瓶内的棕色玻璃瓶; P(A)代表酸洗过的塑料瓶; G(A) = Glass (Acid Washed) for pickled plastic bottles.
 说明: 容器清洗: P for PE bottles, G for glass bottles, VOA vial for brown glass bottles, ST.Steel for stainless steel, G-TLC for brown glass bottles with Teflon lining lids, P(A) for pickled plastic bottles.
 Container material: P for PE bottles, G for glass bottles, VOA vial for brown glass bottles, ST.Steel for stainless steel, G-TLC for brown glass bottles with Teflon lining lids, P(A) for pickled plastic bottles.
 G(A) = Glass (Acid Washed) for pickled plastic bottles.
 水质表现: 水色、气味、有无悬浮物等。Apparent water quality: water color, smell, presence or absence of floating objects, etc.
 周边环境: 有无排污口, 是否有化粪池、污水坑, 有无居民区、工业区, 有无农田、工业区或农药化肥使用区等。
 Surrounding environment: whether there is a sewage outlet, whether there is a residential area, a backwater area, an industrial area, whether there is a residential area, an industrial area and a pesticide and fertilizer use area, etc.
 保存方式/Storage method: 1. 标签完好/Unbroken label 2. 冷藏/Refrigeration 3. 避光/Protect from light 4. 减振/Reduce Vibration 5. 其他/Other:

照片拍摄时间/Time of Photo: 10:16
其他现场信息: Additional on-site information:

采样员/Sampler: [Signature] 审核员/Reviewer: [Signature] 客户确认/Client Confirmation: [Signature]



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EFFLUENT

受控编号: ZHDC-6_水质采样记录_v3.0_20240101



水质采样记录 Water Sampling Records

任务单号 Task Number: 58964TX 采样日期 Sampling Date: 2024, 9, 23 委托单位 Client: _____
 天气状况 Weather Conditions: 小雨 水体类型 Type of Water: 排放废水 接收单位 Factory: 福建协盛协丰印染、染业有限公司
 其他仪器设备 (名称、编号) Other instruments and equipment (name, number): TX-2827

参考采样规范 Reference Sampling Specification: MZOHC Wastewater and Sludge Laboratory Sampling and Analysis Plan (SAP) HJT 91-2002
 《地表水环境质量监测规范》(GB 3838-2002) 其他 Others:

样品编号 Sample Number	采样位置 Sampling Location	采样时间 Sampling Time (Hours)	温度 Temp (°C)		pH值 (无量纲)	溶解氧 Dissolved Oxygen (mg/L)	总氯 Total Chlorine (mg/L)	废水流量 Wastewater Flow Meter (m ³ /day)	交替测量流量 Alternate Measured Flow		采样体积 Sample Volume (mL)	容器材质 Container Material	保存方式 Storage Method	可见颜色 Visible Colour	持久性泡沫 Persistent Foam (Yes/No)
			废水排放 Wastewater Discharge	接收水体 Receiving Water					深度 Depth (cm)	流速 Velocity (cm/s)					
002	排放废水	9:10	25		7.3		3227				19L	P.G. 0.4	1,2,3,4	微蓝	NO
		10:10	25		7.3									微蓝	NO
		11:10	25		7.2									微蓝	NO
		12:10	25		7.3									微蓝	NO
		13:10	25		7.3			过去12个月排放总量: Total Industrial Wastewater generated over a 12 months: 1064907 m ³					微蓝	NO	
		14:10	25		7.3			过去12个月工作日天数: Total working days in a 12 month period: 330 d					微蓝	NO	
		15:10	25		7.3								微蓝	NO	
Average			25		7.3										NO

备注: 容器材质: P代表PE瓶, G代表玻璃瓶; VOA代表棕色玻璃瓶; ST.Steel代表不锈钢; G-TLC代表带子母瓶或棕色玻璃瓶; P(A)代表带盖的塑料瓶; Q(A) = Glass (Acid Washed)酸洗过的玻璃瓶。
 检测方法: 容器材质: P for PE bottles, G for glass bottles, VOA visal for brown glass bottles, ST.Steel for stainless steel, G-TLC for brown glass bottles with Teflon lining lids, P(A) for pickled plastic bottles, G(A) = Glass (Acid Washed) for pickled glass bottles.
 水质描述: 水的外观、气味、有无漂浮物等。 Apparent water quality: water color, smell, presence or absence of floating objects, etc.
 周边环境: 有无排污口, 是否有居民区、商业区, 有无居民区、工业区, 有无居民区、工业区在农业化肥使用区等。
 Surrounding environment: whether there is a sewage outlet, whether there is a residential area, an industrial area, whether there is a residential area, an industrial area and a pesticide and fertilizer use area, etc.
 保存方式 Storage method: 1. 标签完好 Unbroken label 2. 冷藏 Refrigeration 3. 避光 Protect from light 4. 振动或震动 Vibration or duclen 5. 其他 Others:
 采样员 Sampler: Alan 审核员 Reviewer: W. G. 客户确认 Client Confirmation: [Signature]



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Annex C: Limit according to regulation / Contract limit with centralized ETP (if proceed)

水污染物排放执行标准名称	纺织染整工业水污染物排放标准 GB 4287-2012
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表 7 废水间接排放口基本情况表

序号	排放口编号	排放口名称	排放去向	排放规律	间歇排放时段	名称	受纳污水处理厂信息		
							污染物种类	排水协议规定的浓度限值	国家或地方污染物排放标准浓度限值
1	DW001	综合污水排放口	工业废水集中处理厂	间断排放，排放期间流量稳定	0: 00-24: 00	石狮市海天环境工程有限公司	氨氮 (NH3-N)	/mg/L	10mg/L
							总磷 (以 P 计)	/mg/L	0.5mg/L
							硫化物	/mg/L	0.5mg/L
							化学需氧量	/mg/L	80mg/L
							pH 值	/	6-9
							悬浮物	/mg/L	50mg/L
							五日生化需氧量	/mg/L	20mg/L
							总氮 (以 N 计)	/mg/L	15mg/L
							色度	/	50
							苯胺类	/mg/L	1mg/L

****END OF REPORT****



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