

**Test Report** SL92319305862301TX Date: August 02,2023 Page 1 of 22

Date of sampling	26/07/2023
Reporting date	02/08/2023

Audit ID	148178	Audit firm	SGS Guangzhou	
Company name	JIANGMEN WEIMEI ELASTIC FABRIG	CCO.,LTD		
Contact person	Cherie Tan			
Type of tax – tax ID no	91440705727840879E			
Address	CHONGSHANGDAWEI,GUANTIAN VILLAGE,SANJIANG TOWN,XINHUI DISTRICT			
Region state province	GUANGDONG			
Town city / village	JIANGMEN			
Zip / Post code	529100			

Type of wastewater discharge				
Type of waste discharge	Indirect Discharge			
Description of the discharge	Discharge to Centralized Waste Water Treatment Plant: Jiangmen Xinhui Xinhe Dyeing and Finishing Co., Ltd.  Address: Bianshazui Industrial Zone, Sanjiang Town, Xinhui District, Jiangmen City			
[If direct discharge] Temperature of receiving water body:	Not applicable			

Type of sludge disposal pathway	
Type of sludge disposal pathway	Not applicable

Sampler accreditation certification number (ZDHC):	C74D106818107/ ZDHC-A-23-E-C001068-R2AB8-25E31
Sampling affiliate	SGS Guangzhou
Sample description	

	Simple	Composite	Comments
(1) Untreated wastewater	-	Dyeing Untreated wastewater: Colorless turbidity, composite sample at 9:50,10:50, 11:50, 12:50, 13:50, 14:50, 15:50 Shaping & washing Untreated wastewater: Light white turbidity, composite sample at 9:30,10:30, 11:30, 12:30, 13:30, 14:30, 15:30	Temperature: 36.5 °C Shaping & washing Untreated wastewater



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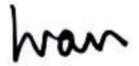
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Internal description – Final Test Report	
Testing laboratory	SGS Guangzhou
Internal codification number (report number)	SL92319305862301TX
Reference sample number (sample ID)	92319305862301-01 92319305862301-02
Received on	27/07/2023
Analysis carried out from	27/07/2023 to 02/08/2023
Arrival temperature at lab	3.9 ºC
Comments	Samples received within 24 hours
Reporting date	02/08/2023

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

# Remark (Indicated in each parameter)

ND = Not detected

D = Detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested



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# **Test Report Test results**

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#### Wastewater

#### 1. Conventional Parameters and Anions

	Limit		Limit Reporting Limit Untreated		Result	Result		
Test Items	Test method		Progressive	Aspirational	wastewater (Effluent)**	Dyeing Untreated wastewater (Effluent)**	Shaping&washing Untreated wastewater (Effluent)**	Unit
Wastewater Flowrate	-		-		NA	1061(f)	94f)	m³/day

#### Remark

- = Not required to be tested

(f) = Parameter tested in field.

#### 2. Heavy Metals

Cr (VI): ISO 18412, USEPA 218.6, GB 7467 or IS 3025 (Part 52)

As: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

Cd: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 41) - AAS instrumental method

Pb: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 47) – AAS instrumental method

Hg: ISO 17294, USEPA 200.8 - SIM, USEPA 245.1, USEPA 245.7, USEPA 6020 A - SIM, HJ 597, HJ 694, IS 3025 (Part 48) - Cold vapour AAS only or IS 3025

(Part 65) - SI

			Limit			Result		
Test items	CAS no.	Foundational	Progressive	Aspirational	Reporting Limit	Dyeing Untreated wastewater (Effluent)**	Shaping& washing Untreated wastewater (Effluent)**	Unit
Arsenic (As)	Various	Textile and Leather: 0.05	Textile and Leather: 0.01	Textile and Leather: 0.005	0.005	ND	ND	mg/L
Cadmium (Cd)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	ND	ND	mg/L
Mercury (Hg)	Various	Textile and Leather: 0.01	Textile and Leather: 0.005	Textile and Leather: 0.001	0.001	ND	ND	mg/L
Lead (Pb)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	ND	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	ND	mg/L

#### Remark

ND = Not detected NA = Not applicable



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<sup>\*\*=</sup> Factory haven't on-site treatment plant, untreated wastewater is equal to effluent.

<sup>=</sup> Not required to be tested

<sup>\*\*=</sup> Factory haven't on-site treatment plant, untreated wastewater is equal to effluent.



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

NP/OP: With reference to ISO 18857-2 (Modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS)) NPEO / OPEO: With reference to ISO 18857-2 or ASTM D7742

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

#### 4. Anti- Microbials & Biocides

o-Phenylphenol (+salts): With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS

Triclosan: With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS Permethrin: With reference to ISO 14154:2005, USEPA 8270 E, Solvent extraction followed by GC-MS or An alternative method, without derivatization and determination by LC-MS / LC-MS/MS

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



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## 5. Chlorinated Parafins

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

SCCPs: Preparation: With reference to USEPA 3510. Analysis: With reference to ISO 12010:2019, ISO 18219-1:2021 or Method for SCCP with GC-MS(NCI) or LC-MS/MS

			Res		
Test items	CAS no.	Reporting Limit	Dyeing Untreated wastewat er	Shaping& washing Untreated wastewater	Unit
Short chain chlorinated paraffins (C10-C13)	85535-84-8	Textile and Leather: 25	ND	ND	μg/L
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	Textile and Leather: 500	ND	ND	μg/L

## 6. Chlorobenzenes & Chlorotoluenes

With reference to USEPA 8260 D, USEPA 8270 E, Purge and Trap, Headspace or Dichloromethane extraction followed by GC-MS

			Res	sult	
Test items	CAS no.	Reporting Limit (Textile and Leather)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
Monochlorobenzenes	108-90-7	0.2	ND	ND	μg/L
1,2-Dichlorobenzene	95-50-1	0.2	ND	ND	μg/L
1,3-Dichlorobenzene	541-73-1	0.2	ND	ND	μg/L
1,4-Dichlorobezene	106-46-7	0.2	ND	ND	μg/L
1,2,3-Trichlorobenzene	87-61-6	0.2	ND	ND	μg/L
1,2,4-Trichlorobenzene	120-82-1	0.2	ND	ND	μg/L
1,3,5-Trichlorobenzene	108-70-3	0.2	ND	ND	μg/L
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	ND	ND	μg/L
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	ND	ND	μg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	ND	ND	μg/L
Pentachlorobenzene	608-93-5	0.2	ND	ND	μg/L
Hexachlorobenzene	118-74-1	0.2	ND	ND	μg/L
2-Chlorotoluene	95-49-8	0.2	ND	ND	μg/L
3-Chlorotoluene	108-41-8	0.2	ND	ND	μg/L



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

# 7. Chlorophenols

With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS

			Res	sult	
Test items	CAS no.	Reporting Limit (Textile and Leather)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
2-Chlorophenol	95-57-8	0.5	ND	ND	μg/L
3-Chlorophenol	108-43-0	0.5	ND	ND	μg/L
4-Chlorophenol	106-48-9	0.5	ND	ND	μg/L
2,3-Dichlorophenol	576-24-9	0.5	ND	ND	μg/L
2,4-Dichlorophenol	120-83-2	0.5	ND	ND	μg/L
2,5-Dichlorophenol	583-78-8	0.5	ND	ND	μg/L
2,6-Dichlorophenol	87-65-0	0.5	ND	ND	μg/L
3,4-Dichlorophenol	95-77-2	0.5	ND	ND	μg/L
3,5-Dichlorophenol	591-35-5	0.5	ND	ND	μg/L



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2,3,4-Trichlorophenol	15950-66-0	0.5	ND	ND	μg/L
2,3,5-Trichlorophenol	933-78-8	0.5	ND	ND	μg/L
2,3,6-Trichlorophenol	933-75-5	0.5	ND	ND	μg/L
2,4,5-Trichlorophenol	95-95-4	0.5	ND	ND	μg/L
2,4,6-Trichlorophenol	88-06-2	0.5	ND	ND	μg/L
3,4,5-Trichlorophenol	609-19-8	0.5	ND	ND	μg/L
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	ND	ND	μg/L
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	ND	ND	μg/L
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	ND	ND	μg/L
Pentachlorophenol PCP	87-86-5	0.5	ND	ND	μg/L

#### 8. N,N-di-methylformamide (DMFa)

With reference to USEPA 8015 or USEPA 8270 E

			Res	sult		
	Test item	CAS no.	Reporting Limit (Textile)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
	N,N-di-methylformamide (DMFa)	68-12-2	1000 (Sample and Report only for mock leather)	ND	ND	μg/L

### 9. Dyes - Carcinogenic or Equivalent Concern

With reference to Liquid extraction followed by LC-MS

			Result		
Test items	CAS no.	Reporting Limit (Textile and Leather)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
C.I. Direct Black 38	1937-37-7	500	ND	ND	μg/L
C.I. Direct Blue 6	2602-46-2	500	ND	ND	μg/L
C.I. Acid Red 26	3761-53-3	500	ND	ND	μg/L
C.I. Basic Red 9	569-61-9	500	ND	ND	μg/L
C.I. Direct Red 28	573-58-0	500	ND	ND	μg/L
C.I. Basic Violet 14	632-99-5	500	ND	ND	μg/L
C.I. Disperse Blue 1	2475-45-8	Textile: 500	ND	ND	μg/L
C.I. Disperse Blue 3	2475-46-9	Textile: 500	ND	ND	μg/L



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C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	ND	ND	μg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	ND	ND	μg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	ND	ND	μg/L
C.I. Basic Green 4 (malachite green)	10309-95-2	500	ND	ND	μg/L
Disperse Orange 11	82-28-0	Textile: 500	ND	ND	μg/L
Basic violet 3 with >0.1% of Michler's Ketone*	548-62-9	500	ND	ND	μg/L
C.I. Acid Violet 49	1694-09-3	500	ND	ND	μg/L

<sup>\*</sup>Reported concentration refers to the dye part only

## 10. Dyes - Disperse (Allergenic)

With reference to Liquid extraction followed by LC-MS

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



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Disperse Yellow 9	6373-73-5	50	ND	ND	μg/L
Disperse Orange 3	730-40-5	50	ND	ND	μg/L
Disperse Blue 35	56524-77-7	50	ND	ND	μg/L

## 11. Dyes - Navy Blue Colourant

With reference to Liquid extraction followed by LC-MS

			Res		
Test Items	CAS no.	Reporting Limit (Textile and Leather)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND	ND	μg/L
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	ND	ND	μg/L

#### 12. Flame retardants

Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

Others: With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS(-MS)

			Res	d washing Untreated wastewater  ND  ND  ND	
Test Items	CAS no.	Reporting Limit	Dyeing Untreated wastewater	washing Untreated	Unit
Decabromodiphenyl ether (DecaBDE)	1163-19-5	Textile: 25 Leather: 5	ND	ND	μg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	Textile: 25 Leather: 5	ND	ND	μg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Textile: 25 Leather: 5	ND	ND	μg/L
Tris(1-aziridinylphosphine oxide) (TEPA)	545-55-1	Textile: 25 Leather: 5	ND	ND	μg/L
Polybromobiphenyls (PBBs)	59536-65-1	Textile: 25 Leather: 5	ND	ND	μg/L
Tris(2,3-dibromopropyl phosphate) (TRIS)	126-72-7	Textile: 25 Leather: 5	ND	ND	μg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	Textile: 25 Leather: 5	ND	ND	μg/L
Bis(2,3-dibromopropyl) phosphate	5412-25-9	Textile: 25 Leather: 5	ND	ND	μg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	Textile: 25 Leather: 5	ND	ND	μg/L



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Report	013201330300230	117	Date. August 02,202	, ,	age ii o	
2,2-Bis(bromome	thyl)-1,3-propanediol (BBMP)	3296-90-0	Textile: 25 Leather: 5	ND	ND	μg/L
Tris-(2-chloro-1-n	nethylethyl) phosphate (TCPP)	13674-84-5	Textile: 25 Leather: 5	ND	ND	μg/L
Decabro	mobiphenyl (DecaBB)	13654-09-6	Textile: 25	ND	ND	μg/L
Dibror	nobiphenyls (DiBB)	Multiple	Textile: 25	ND	ND	μg/L
Octabror	nobiphenyls (OctaBB)	Multiple	Textile: 25	ND	ND	μg/L
Dibr	omopropylether	21850-44-2	Textile: 25	ND	ND	μg/L
Heptabromod	liphenyl ether (HeptaBDE)	68928-80-3	Textile: 25	ND	ND	μg/L
Hexabromod	liphenyl ether (HexaBDE)	36483-60-0	Textile: 25	ND	ND	μg/L
Monobror	nobiphenyls (MonoBB)	Multiple	Textile: 25	ND	ND	μg/L
Monobromod	iphenylethers (MonoBDEs)	Multiple	Textile: 25	ND	ND	μg/L
Nonabror	nobiphenyls (NonaBB)	Multiple	Textile: 25	ND	ND	μg/L
Nonabromod	liphenyl ether (NonaBDE)	63936-56-1	Textile: 25	ND	ND	μg/L
Tetrabromod	liphenyl ether (TetraBDE)	40088-47-9	Textile: 25	ND	ND	μg/L
Tribromod	iphenylethers (TriBDEs)	Multiple	Textile: 25	ND	ND	μg/L
	Boric acid	10043-35-3 11113-50-1	Textile: 100*	ND (ND) **	ND (ND) **	μg/L
Di	boron trioxide	1303-86-2	Textile: 100*	ND (ND) **	ND (ND) **	μg/L
Diso	dium octaborate	12008-41-2	Textile: 100*	ND (ND) **	ND (ND) **	μg/L
Disodium	tetraborate anhydrous	1303-96-4 1330-43-4	Textile: 100*	ND (ND) **	ND (ND) **	μg/L
Tetraboron dis	odium heptaoxide, hydrate	12267-73-1	Textile: 100*	ND (ND) **	ND (ND) **	μg/L
Tris(2-chloro	pethyl) phosphate (TCEP)	115-96-8	Textile: 25 Leather: 5	ND	ND	μg/L
Tris(1,3-dichloro-	isopropyl) phosphate (TDCP)	13674-87-8	Textile: 25 Leather: 5	ND	ND	μg/L



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<sup>\*</sup> Limit refers to elemental boron, not the salt.

<sup>\*\*</sup>Result in term of elemental boron (Result in term of the corresponding boron salt)



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## 13. Glycols/Glycol Ethers

With reference to USEPA 8270 E or Liquid extraction followed by LC-MS or GC-MS

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

## 14. Halogenated solvents

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

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



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## 15. Organotin compounds

TeFT:

With reference to ISO 17353

Others:

With reference to ISO 17353 or Derivatization with NaB(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> followed by GC-MS

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



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#### 16. Other/Miscellaneous Chemicals

AEEA [2-(2-aminoethylamino) ethanol]: With reference to Liquid extraction followed by LC-MS/MS

Bisphenol A: With reference to Liquid extraction followed by LC-MS Thiourea: With reference to Liquid extraction followed by LC-MS Quinoline: With reference to Liquid extraction followed by LC-MS

Borate, zinc salt: ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

			Result		
Test Items	CAS no.	Reporting Limit (Textile)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	500	ND	ND	μg/L
Bisphenol A	80-05-7	10	ND	ND	μg/L
Thiourea	62-56-6	50	ND	ND	μg/L
Quinoline	91-22-5	50	ND	ND	μg/L
Borate, zinc salt	12767-90-7	100*	ND (ND) **	ND (ND) **	μg/L

<sup>\*</sup> Limit refers to boron and zinc individually, not the salt.

#### Perfluorinated and Polyfluorinated Chemicals (PFCs) 17.

With reference to USEPA 537:2020 followed by LC-MS(-MS)

FTOH:

With reference to BS EN 12673-1999, USEPA 8270 E or Derivatization with acetic anhydride followed by GC-MS

	CAS no.	Reporting Limit (Textile and Leather)	Result		
Test Items			Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
Perfluoro-octane-sulfonic acid (PFOS)*	1763-23-1	0.01	ND	ND	μg/L
Perfluoro-octanoic acid (PFOA)**	335-67-1	0.01	ND	ND	μg/L
Perfluoro-octane-sulfon-amide (PFOSA)	754-91-6	0.01	ND	ND	μg/L



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<sup>\*\*</sup> Result in term of elemental boron / zinc (Result in term of the corresponding boron / zinc salt)



Ethyl Perfluorooctanoate (Et-PFOA)

8:2 Fluorotelomer methacrylate (8:2 FTMA)

SL92319305862301TX **Test Report** Date: August 02,2023 Page 15 of 22 ND ND 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) 27905-45-9 1 μg/L ND ND 1H,1H,2H,2H-Perfluorodecanol (8:2 FTOH) 1 678-39-7 μg/L N-Methyl-perfluoro-octane-sulfon-amido-ethanol ND ND 0.01 24448-09-7 μg/L (N-Me-FOSE) N-Ethyl-Perfluoro-octane-sulfon-amido-ethanol ND ND 0.01 1691-99-2 μg/L (N-Et-FOSE) ND ND N-Methyl-perfluoro-octane-sulfon-amide (N-Me-FOSA) 31506-32-8 0.01 μg/L ND ND N-Ethyl-perfluoro-octane-sulfon-amide (N-Et-FOSA) 4151-50-2 0.01 μg/L ND ND 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 39108-34-4 1 μg/L ND ND Methyl Perfluorooctanoate (Me-PFOA) 376-27-2 1 μg/L

3108-24-5

1996-88-9



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ND

ND

1

1

ND

ND

μg/L

μg/L

<sup>\*</sup> 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(C $_2$ H $_5$ ) $_4$  (CAS No.: 56773-42-3) and POSF (CAS No.: 307-35-7)

<sup>\*\*</sup> 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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## 18. Phthalates - including all other esters of ortho-phthalic acid

With reference to USEPA 8270 E, ISO 18856 or Dichloromethane extraction followed by GC-MS

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



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## 19. Polycyclic aromatic hydrocarbons (PAHs)

With reference to DIN 38407-39, USEPA 8270 E or Solvent extraction followed by GC-MS

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



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## 20. Restricted Aromatic Amines (Cleavable from Azo-colourants)

With reference to USEPA 8270 E or Reduction step with sodium dithionite, solvent extraction followed by GC-MS and LC-MS/MS

	CAS no.		Re	Result		
Test Items		Reporting Limit (Textile and Leather)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit	
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	ND	ND	μg/L	
4,4'-Diaminodiphenylmethane	101-77-9	0.1	ND	ND	μg/L	
4,4'-Oxydianiline	101-80-4	0.1	ND	ND	μg/L	
4-Chloroaniline	106-47-8	0.1	ND	ND	μg/L	
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	ND	μg/L	
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	ND	μg/L	
p-Cresidine	120-71-8	0.1	ND	ND	μg/L	
2,4,5-Trimethylaniline	137-17-7	0.1	ND	ND	μg/L	
4,4'-Thiodianiline	139-65-1	0.1	ND	ND	μg/L	
4-Aminoazobenzene	60-09-3	0.1	ND	ND	μg/L	
2,4-Diaminoanisole	615-05-4	0.1	ND	ND	μg/L	
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	0.1	ND	ND	μg/L	
2,6-Xylidine	87-62-7	0.1	ND	ND	μg/L	
o-Anisidine	90-04-0	0.1	ND	ND	μg/L	
2-Naphthylamine	91-59-8	0.1	ND	ND	μg/L	
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	ND	μg/L	
4-Aminobiphenyl	92-67-1	0.1	ND	ND	μg/L	
Benzidine	92-87-5	0.1	ND	ND	μg/L	
o-Toluidine	95-53-4	0.1	ND	ND	μg/L	
2,4-Xylidine	95-68-1	0.1	ND	ND	μg/L	
4-Chloro-o-toluidine	95-69-2	0.1	ND	ND	μg/L	
2,4-Diaminotoluene	95-80-7	0.1	ND	ND	μg/L	
o-Aminoazotoluene	97-56-3	0.1	ND	ND	μg/L	
5-Nitro-o-toluidine	99-55-8	0.1	ND	ND	μg/L	
2-Naphthylammoniumacetate	553-00-4	0.1	ND	ND	μg/L	
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	ND	ND	μg/L	
4-chloro-o-toluidinium chloride	3165-93-3	0.1	ND	ND	μg/L	



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4-methoxy-m-phenylene diammonium sulphate; 39156-41-7 0.1 μg/L 2,4-diaminoanisole sulphate

#### 21. UV Absorbers

With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS(-MS)

			Result		
Test Items	CAS no.	Reporting Limit (Textile)	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6- (sec- butyl) phenol (UV-350)	36437-37-3	100	ND	ND	μg/L
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	100	ND	ND	μg/L
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	ND	ND	μg/L
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole- 2-yl) phenol (UV-327)	3864-99-1	100	ND	ND	μg/L

# 22. Volatile organic compounds (VOCs)

Benzene: With reference to ISO 11423-1, ISO 20595, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS

m-cresol / o-cresol / p-cresol: With reference to BS EN 12637-1999, ISO 11423-1, USEPA 8270 E, Purge and Trap or Headspace followed by GC-MS

Xylene: With reference to ISO 11423-1, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS

Toluene: With reference to ISO 11423-1, USEPA 8260 D or HJ 1067

			Res		
Test Items	CAS no.	Reporting Limit	Dyeing Untreated wastewater	Shaping& washing Untreated wastewater	Unit
Benzene	71-43-2	Textile and Leather: 1	ND	ND	μg/L
Xylene	1330-20-7	Textile: 1	ND	ND	μg/L
o-cresol	95-48-7	Textile and Leather: 1	ND	ND	μg/L
p-cresol	106-44-5	Textile and Leather: 1	ND	ND	μg/L
m-cresol	108-39-4	Textile and Leather: 1	ND	ND	μg/L
Toluene	108-88-3	Textile: 1 (Sample and Report only for mock leather)	2.3	1.4	μg/L

#### Remark



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## **Annex A: Sampling photos & Sampling locations**

# **DYEING UNTREATED WASTEWATER** GPS Data: 22°27'39.49" N, 113°05'11.61" E SAMPLING LOCATION, CLOSE-UP VIEW



**SAMPLING LOCATION, FAR VIEW** 



SHAPING&WASHING UNTREATED WASTEWATER GPS Data: 22°27'40.00" N, 113°05'13.04" E SAMPLING LOCATION, CLOSE-UP VIEW



**SAMPLING LOCATION, FAR VIEW** 





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### Annex B: On-site Field Data Record Sheet

#### **DYEING UNTREATED WASTEWATER** 水质采样原始记录 水体类型: 菜色(原度水) 58623 TX 采样日期: 223 , 7, 2( 任务单号: NA 代温:32で 样品编号: 天气状况: \_\_ 参考采样规范,M/DHC Westewater and Sludge Laboratory Sampling and Analysis Plan ISAP) 口I/JT 91-2002 口《珍甕水环境质量鑑测网监观任务作比指导书》 口其他 水混 (°C) 溶解氧 pH值 (无重纲) 采样位置/ GPS 深样体积 (mL) 采样时间 序号 容器材质 保存方式 以上信息仅针对排放废水,原废水无处理间接排放的情况依然是原废水 淡柳.色 9:50 36.5 1 1061 没椒色 10:50 2 34.2 淡椒色 1/:50 31.7 8.3 淡棕色 181 P.G.V 71.2.3.4 12150 37.2 ₽.3 13:50 8. 5 无所深地 37.7 8.3 无色混浊 14250 6 37.5 15:50 8.3 无色湿浊 36.4 WIRA 38766 8 リル和2个川 <sup>大数:</sup> 320 換算用的工厂过程:12 个月的日均流量: 9 1211 备注: 答器材质:P代表PE篇,C代表玻璃瓶:VOA vial代表棕色玻璃瓶:ST. Stect代表不铸钢:G-TLC 代表益于带有特佩尼内村的棕色玻璃瓶:P(A) 代表胶洗过的塑料瓶:G(A) = Giass (Acid Washed)酸洗过的玻璃瓶 混合后样品状态感官描述: 、水质表或: 水体颜色、气味、有无湿浮物等。 周边环境: 有无特窍口。是香砣水区、回水区。有无层民区、工业区。有无层民区、工业区和次药化肥使用区等。 保存方式, 1.标签完好, 2.冷镀, 3.颗光, 4.课振措施, 5.其他, 不是 子为 引之 明核人: 訓練器 客户确认: 受控编号: ZHDC-6\_水质采样记录\_v2.0 30221031



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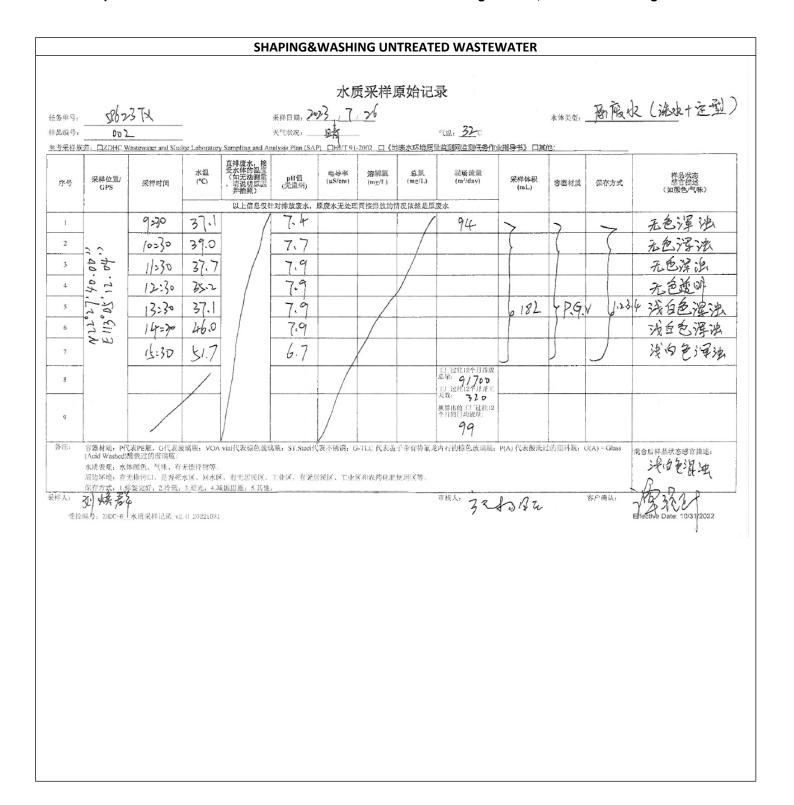
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