

TEST REPORT

CLIENT DETAILS

Client Name: NINGBO DYON INDUSTRIAL GROUP CO., LTD.
Client Contact: Mandy
Telephone: 15151849937
E-mail: mandy@dyontex.cn
Address: 106 GONGMAO YI ROAD., JISHIGANG TOWN, NINGBO CITY, ZHEJIANG PROVINCE

LABORATORY DETAILS

SGS Affiliate: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd
SGS Contact: Lily Li
Telephone: +86(021) 61072854
E-mail: Lily-li@sgs.com
Address: The 4th Building, No.889, Yishan Road, Xuhui District, Shanghai, China

FACTORY DETAILS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.
Factory Contact: Jiao Xiang
Telephone: 15952308708
E-mail: 1039027384@qq.com
Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu
Types of Mills: (9) Washing
On-Site ETP: Yes
Discharge Destination: To Centralized Waste Water Treatment Plant
Name of Municipal/Centralized ETP: Huai'an Mingtong Environmental Protection Engineering Co., Ltd.
Address of Municipal/Centralized ETP: No. 66 Shanyang Avenue, Huai'an District, Huai'an City

SAMPLE AND TESTING DETAILS

Sampling Country: SGS Shanghai
ZDHC Sampler's Certification No.: C74D106817275
Sampling Date: 16-10-2023
Sample Received Date: 17-10-2023
Test Performing Period: 17-10-2023 to 30-10-2023
No. of Samples: Water (2)
Sample Descriptions: 1) Untreated Wastewater (6-hour Composite)
 2) Effluent (6-hour Composite)
Sample Volume: 1) Untreated Wastewater (12L)
 2) Effluent (4L)
Testing Institute: SGS Shanghai
Discharge Method: Indirect Discharge

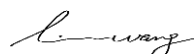
OVERALL RESULTS

	Untreated Wastewater	Effluent
Conventional Parameters / Anions / Metals:	-	Fulfill Aspirational Limit
MRSL Parameters:	Detected	-

REMARKS

- This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.
- The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.
- No sludge produced in the factory.

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd



Linda Wang
 Chemical Manager

RESULT SUMMARY

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

TEST ITEMS	Untreated Wastewater	Effluent
Conventional Parameters	-	-
Anions	-	-
Metals	-	O
Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)	O	-
Anti-Microbials & Biocides	O	-
Chlorinated Paraffins	O	-
Chlorobenzenes and Chlorotoluenes	O	-
Chlorophenols	O	-
Dimethyl Formamide (DMFa)	O	-
Dyes - Carcinogenic or Equivalent Concern	O	-
Dyes - Disperse (Allergenic)	O	-
Dyes - Navy Blue Colourant	O	-
Flame Retardants	O	-
Glycols / Glycol Ethers	O	-
Halogenated Solvents	O	-
Organotin Compounds	X	-
Other / Miscellaneous Chemicals	O	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	O	-
Phthalates	O	-
Polycyclic Aromatic Hydrocarbons (PAHs)	O	-
Restricted Aromatic Amines	O	-
UV Absorbers	O	-
Volatile Organic Compounds (VOCs)	O	-

Note:

X - Detected

O - Not Detected

N/A - Not Tested / Not Applicable

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Factory Performances		Local Wastewater Discharged Requirement %
						Untreated Wastewater	Effluent	
Sample ID		52325331825101-02	52325331825101-01					
Date of Sampling		16-10-2023	16-10-2023					
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet					
Sampling Start Time		9:50	9:35					
Sampling End Time		16:00	15:45					
Date of Sample Received		17-10-2023	17-10-2023					
Sample Colour Description	-	-	-	Light blue	Colorless	-	-	-
Wastewater Flowrate*	-	-	m ³ /day	-	16	-	-	-
Metals								
Chromium (VI)	7440-47-3, 18540-29-9	0.001	mg/L	-	n.d.	-	Fulfill Aspirational Limit	N/A
Total Arsenic (As)	7440-38-2	0.005	mg/L	-	n.d.	-	Fulfill Aspirational Limit	N/A
Total Cadmium (Cd)	7440-43-9	0.01	mg/L	-	n.d.	-	Fulfill Aspirational Limit	N/A
Total Lead (Pb)	7439-92-1	0.01	mg/L	-	n.d.	-	Fulfill Aspirational Limit	N/A
Total Zinc (Zn)	7440-66-6	0.1	mg/L	n.d.	-	Not Detected	-	N/A
Total Mercury (Hg)	7439-97-6	0.001	mg/L	-	n.d.	-	Fulfill Aspirational Limit	N/A
Total Boron (B)	7440-42-8	0.1	mg/L	n.d.	-	Not Detected	-	N/A
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers								
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	µg/L	n.d.	-	Not Detected	-	-
Nonylphenol (NP), mixed isomers	11066-49-2, 25154-52-3, 84852-15-3	5	µg/L	n.d.	-	Not Detected	-	-
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5, 68987-90-6	5	µg/L	n.d.	-	Not Detected	-	-
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4, 27193-28-8	5	µg/L	n.d.	-	Not Detected	-	-
Anti- Microbials & Biocides								
o-Phenylphenol (+salts)	90-43-7	100	µg/L	n.d.	-	Not Detected	-	-
Triclosan	3380-34-5	100	µg/L	n.d.	-	Not Detected	-	-
Permethrin	Multiple	500	µg/L	n.d.	-	Not Detected	-	-
Chlorinated Paraffins								
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	500	µg/L	n.d.	-	Not Detected	-	-
Short-chain Chlorinated Paraffin (SCCPs) (C10-C13)	85535-84-8	25	µg/L	n.d.	-	Not Detected	-	-
Chlorobenzenes and Chlorotoluenes								
Monochlorobenzenes	108-90-7	0.2	µg/L	n.d.	-	Not Detected	-	-
1,2-Dichlorobenzene	95-50-1	0.2	µg/L	n.d.	-	Not Detected	-	-
1,3-Dichlorobenzene	541-73-1	0.2	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	CAS No.	Reporting Limit	Units	Sample ID		Factory Performances		Local Wastewater Discharged Requirement %		
				52325331825101-02	52325331825101-01					
				Date of Sampling					16-10-2023	16-10-2023
				Sampling Location					Raw wastewater collection tank	Discharged waste water outlet
				Sampling Start Time					9:50	9:35
				Sampling End Time					16:00	15:45
				Date of Sample Received					17-10-2023	17-10-2023
				Untreated Wastewater	Effluent	Untreated Wastewater	Effluent	Effluent		
1,4-Dichlorobenzene	106-46-7	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,2,3-Trichlorobenzene	87-61-6	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,2,4-Trichlorobenzene	120-82-1	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,3,5-Trichlorobenzene	108-70-3	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	µg/L	n.d.	-	Not Detected	-	-		
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	µg/L	n.d.	-	Not Detected	-	-		
Pentachlorobenzene	608-93-5	0.2	µg/L	n.d.	-	Not Detected	-	-		
Hexachlorobenzene	118-74-1	0.2	µg/L	n.d.	-	Not Detected	-	-		
2-Chlorotoluene	95-49-8	0.2	µg/L	n.d.	-	Not Detected	-	-		
3-Chlorotoluene	108-41-8	0.2	µg/L	n.d.	-	Not Detected	-	-		
4-Chlorotoluene	106-43-4	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,3-Dichlorotoluene	32768-54-0	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,4-Dichlorotoluene	95-73-8	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,5-Dichlorotoluene	19398-61-9	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,6-Dichlorotoluene	118-69-4	0.2	µg/L	n.d.	-	Not Detected	-	-		
3,4-Dichlorotoluene	95-75-0	0.2	µg/L	n.d.	-	Not Detected	-	-		
3,5-Dichlorotoluene	25186-47-4	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,3,4-Trichlorotoluene	7359-72-0	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,3,6-Trichlorotoluene	2077-46-5	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,4,5-Trichlorotoluene	6639-30-1	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,4,6-Trichlorotoluene	23749-65-7	0.2	µg/L	n.d.	-	Not Detected	-	-		
3,4,5-Trichlorotoluene	21472-86-6	0.2	µg/L	n.d.	-	Not Detected	-	-		
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	µg/L	n.d.	-	Not Detected	-	-		

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	µg/L	n.d.	-	Not Detected	-	-
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	µg/L	n.d.	-	Not Detected	-	-
Pentachlorotoluene	877-11-2	0.2	µg/L	n.d.	-	Not Detected	-	-
Chlorophenols								
2-Chlorophenol	95-57-8	0.5	µg/L	n.d.	-	Not Detected	-	-
3-Chlorophenol	108-43-0	0.5	µg/L	n.d.	-	Not Detected	-	-
4-Chlorophenol	106-48-9	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3-Dichlorophenol	576-24-9	0.5	µg/L	n.d.	-	Not Detected	-	-
2,4-Dichlorophenol	120-83-2	0.5	µg/L	n.d.	-	Not Detected	-	-
2,5-Dichlorophenol	583-78-8	0.5	µg/L	n.d.	-	Not Detected	-	-
2,6-Dichlorophenol	87-65-0	0.5	µg/L	n.d.	-	Not Detected	-	-
3,4-Dichlorophenol	95-77-2	0.5	µg/L	n.d.	-	Not Detected	-	-
3,5-Dichlorophenol	591-35-5	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,4-Trichlorophenol	15950-66-0	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,5-Trichlorophenol	933-78-8	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,6-Trichlorophenol	933-75-5	0.5	µg/L	n.d.	-	Not Detected	-	-
2,4,5-Trichlorophenol	95-95-4	0.5	µg/L	n.d.	-	Not Detected	-	-
2,4,6-Trichlorophenol	88-06-2	0.5	µg/L	n.d.	-	Not Detected	-	-
3,4,5-Trichlorophenol	609-19-8	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	µg/L	n.d.	-	Not Detected	-	-
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	µg/L	n.d.	-	Not Detected	-	-
Pentachlorophenol (PCP)	87-86-5	0.5	µg/L	n.d.	-	Not Detected	-	-
Dimethyl Formamide (DMFa)								
Dimethyl formamide; N,N-dimethylformamide (DMFa)**	68-12-2	1000	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	CAS No.	Reporting Limit	Units	Sample ID		Factory Performances	Local Wastewater Discharged Requirement %		
				52325331825101-02	52325331825101-01				
				Date of Sampling				16-10-2023	16-10-2023
				Sampling Location				Raw wastewater collection tank	Discharged waste water outlet
				Sampling Start Time				9:50	9:35
				Sampling End Time				16:00	15:45
				Date of Sample Received				17-10-2023	17-10-2023
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater	Effluent	Effluent	
Dyes - Carcinogenic or Equivalent Concern									
Basic Violet 3 with >0.1% of Michler's Ketoneb	548-62-9	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Acid Red 26	3761-53-3	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Acid Violet 49	1694-09-3	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Blue 26 with Michler's Ketone >0.1%	2580-56-5	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Green 4 (Malachite Green Chloride) [^]	569-64-2	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Green 4 (Malachite Green Oxalate) [^]	2437-29-8	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Red 9	569-61-9	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Basic Violet 14	632-99-5	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Direct Black 38	1937-37-7	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Direct Blue 6	2602-46-2	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Direct Red 28	573-58-0	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Disperse Blue 1	2475-45-8	500	µg/L	n.d.	-	Not Detected	-	-	
C.I. Disperse Blue 3	2475-46-9	500	µg/L	n.d.	-	Not Detected	-	-	
Disperse Orange 11	82-28-0	500	µg/L	n.d.	-	Not Detected	-	-	
Dyes - Disperse (Allergenic)									
Disperse Blue 102	12222-97-8	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Blue 106	12223-01-7	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Blue 124	61951-51-7	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Blue 26	3860-63-7	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Blue 35	12222-75-2, 56524-77-7	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Blue 7	3179-90-6	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Brown 1	23355-64-8	50	µg/L	n.d.	-	Not Detected	-	-	
Disperse Orange 1	2581-69-3	50	µg/L	n.d.	-	Not Detected	-	-	

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Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
Disperse Orange 3	730-40-5	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Orange 37/59/76	13301-61-6	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Red 1	2872-52-8	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Red 11	2872-48-2	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Red 17	3179-89-3	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Yellow 1	119-15-3	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Yellow 3	2832-40-8	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Yellow 39	12236-29-2	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Yellow 49	54824-37-2	50	µg/L	n.d.	-	Not Detected	-	-
Disperse Yellow 9	6373-73-5	50	µg/L	n.d.	-	Not Detected	-	-
Dyes - Navy Blue Colourant								
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	µg/L	n.d.	-	Not Detected	-	-
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	µg/L	n.d.	-	Not Detected	-	-
Flame Retardants								
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	µg/L	n.d.	-	Not Detected	-	-
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	µg/L	n.d.	-	Not Detected	-	-
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	µg/L	n.d.	-	Not Detected	-	-
Hexabromocyclodecane (HBCDD)	3194-55-6	25	µg/L	n.d.	-	Not Detected	-	-
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	µg/L	n.d.	-	Not Detected	-	-
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	µg/L	n.d.	-	Not Detected	-	-
Polybromobiphenyls (PBB)	59536-65-1	25	µg/L	n.d.	-	Not Detected	-	-
Tetrabromobisphenol A (TBBPA)	79-94-7	25	µg/L	n.d.	-	Not Detected	-	-
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	µg/L	n.d.	-	Not Detected	-	-
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	µg/L	n.d.	-	Not Detected	-	-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

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				52325331825101-02	52325331825101-01					
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				Sampling Location					Raw wastewater collection tank	Discharged waste water outlet
				Sampling Start Time					9:50	9:35
				Sampling End Time					16:00	15:45
				Date of Sample Received					17-10-2023	17-10-2023
				Untreated Wastewater	Effluent	Untreated Wastewater	Effluent	Effluent		
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	µg/L	n.d.	-	Not Detected	-	-		
Tris(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7	25	µg/L	n.d.	-	Not Detected	-	-		
Decabromobiphenyl (DecaBB)	13654-09-6	25	µg/L	n.d.	-	Not Detected	-	-		
Dibromobiphenyls (DiBB)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Octabromobiphenyls (OctaBB)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Dibromopropylether	21850-44-2	25	µg/L	n.d.	-	Not Detected	-	-		
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	µg/L	n.d.	-	Not Detected	-	-		
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	µg/L	n.d.	-	Not Detected	-	-		
Monobromobiphenyls (MonoBB)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Monobromodiphenylethers (MonoBDEs)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Nonabromobiphenyls (NonaBB)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	µg/L	n.d.	-	Not Detected	-	-		
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	µg/L	n.d.	-	Not Detected	-	-		
Tribromodiphenylethers (TriBDEs)	Multiple	25	µg/L	n.d.	-	Not Detected	-	-		
Boric acid	10043-35-3, 11113-50-1	100	µg/L	See Total Boron (B) Result	-	Not Detected	-	-		
Diboron trioxide	1303-86-2	100	µg/L	See Total Boron (B) Result	-	Not Detected	-	-		
Disodium octaborate	12008-41-2	100	µg/L	See Total Boron (B) Result	-	Not Detected	-	-		
Disodium tetraborate anhydrous	1303-96-4, 1330-43-4	100	µg/L	See Total Boron (B) Result	-	Not Detected	-	-		
Tetraboron disodium heptaoxide, hydrate	12267-73-1	100	µg/L	See Total Boron (B) Result	-	Not Detected	-	-		
Glycols / Glycol Ethers										
2-ethoxyethanol	110-80-5	50	µg/L	n.d.	-	Not Detected	-	-		
2-ethoxyethyl acetate	111-15-9	50	µg/L	n.d.	-	Not Detected	-	-		
2-methoxyethanol	109-86-4	50	µg/L	n.d.	-	Not Detected	-	-		
2-methoxyethylacetate	110-49-6	50	µg/L	n.d.	-	Not Detected	-	-		

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
2-methoxypropylacetate	70657-70-4	50	µg/L	n.d.	-	Not Detected	-	-
Bis(2-methoxyethyl)-ether	111-96-6	50	µg/L	n.d.	-	Not Detected	-	-
Ethylene glycol dimethyl ether	110-71-4	50	µg/L	n.d.	-	Not Detected	-	-
Triethylene glycol dimethyl ether	112-49-2	50	µg/L	n.d.	-	Not Detected	-	-
Halogenated Solvents								
1,2-Dichloroethane	107-06-2	1	µg/L	n.d.	-	Not Detected	-	-
Methylene chloride	75-09-2	1	µg/L	n.d.	-	Not Detected	-	-
Tetrachloroethylene	127-18-4	1	µg/L	n.d.	-	Not Detected	-	-
Trichloroethylene	79-01-6	1	µg/L	n.d.	-	Not Detected	-	-
Organotin Compounds								
Dipropyltin compounds (DPT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Mono-, di- and tri-butyltin derivatives	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Monobutyltin (MBT)	1118-46-3, 78763-54-9	0.01	µg/L	n.d.	-	Not Detected	-	-
Dibutyltin (DBT)	1002-53-5	0.01	µg/L	n.d.	-	Not Detected	-	-
Tributyltin (TBT)	56573-85-4	0.01	µg/L	n.d.	-	Not Detected	-	-
Mono-, di- and tri-methyltin derivatives	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Monomethyltin (MMT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Dimethyltin (DMT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Trimethyltin (TMT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Mono-, di- and tri-octyltin derivatives	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Monooctyltin (MOT)	15231-57-9	0.01	µg/L	n.d.	-	Not Detected	-	-
Diocetyl tin (DOT)	94410-05-6, 12531-44-4	0.01	µg/L	n.d.	-	Not Detected	-	-
Triocetyl tin (TOT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Mono-, di- and tri-phenyltin derivatives	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Monophenyltin (MPHT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
Diphenyltin (DPHT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Triphenyltin (TPHT)	892-20-6, 668-34-8	0.01	µg/L	n.d.	-	Not Detected	-	-
Tetrabutyltin compounds (TeBT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Tripropyltin Compounds (TPT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Tetraoctyltin compounds (TeOT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Tricyclohexyltin (TCyHT)	Multiple	0.01	µg/L	n.d.	-	Not Detected	-	-
Tetraethyltin Compounds (TeET)	Multiple	0.01	µg/L	0.11	-	Detected	-	-
Other/Miscellaneous Chemicals								
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	500	µg/L	n.d.	-	Not Detected	-	-
Bisphenol A	80-05-7	10	µg/L	n.d.	-	Not Detected	-	-
Thiourea	62-56-6	50	µg/L	n.d.	-	Not Detected	-	-
Quinoline	91-22-5	50	µg/L	n.d.	-	Not Detected	-	-
Borate, zinc salt	12767-90-7	100	µg/L	See Total Zinc (Zn) & Total Boron (B) Results	-	Not Detected	-	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)								
Perfluorooctane sulfonate (PFOS)***	1763-23-1	0.01	µg/L	n.d.	-	Not Detected	-	-
N-ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	0.01	µg/L	n.d.	-	Not Detected	-	-
N-methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	0.01	µg/L	n.d.	-	Not Detected	-	-
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	0.01	µg/L	n.d.	-	Not Detected	-	-
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	0.01	µg/L	n.d.	-	Not Detected	-	-
Perfluorooctane sulfonamide (PFOSA)	754-91-6	0.01	µg/L	n.d.	-	Not Detected	-	-
Perfluorooctanoic acid (PFOA)****	335-67-1	0.01	µg/L	n.d.	-	Not Detected	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1	µg/L	n.d.	-	Not Detected	-	-
Methyl Perfluorooctanoate (Me-PFOA)	376-27-2	1	µg/L	n.d.	-	Not Detected	-	-
Ethyl Perfluorooctanoate (Et-PFOA)	3108-24-5	1	µg/L	n.d.	-	Not Detected	-	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	1	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	CAS No.	Reporting Limit	Units	Sample ID		Factory Performances		Local Wastewater Discharged Requirement %		
				52325331825101-02	52325331825101-01					
				Date of Sampling					16-10-2023	16-10-2023
				Sampling Location					Raw wastewater collection tank	Discharged waste water outlet
				Sampling Start Time					9:50	9:35
				Sampling End Time					16:00	15:45
				Date of Sample Received					17-10-2023	17-10-2023
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater	Effluent	Effluent		
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9	1	µg/L	n.d.	-	Not Detected	-	-		
8:2 Fluorotelomer methacrylate (8:2 FTMA)	1996-88-9	1	µg/L	n.d.	-	Not Detected	-	-		
Phthalates - including all other esters of ortho-phthalic acid										
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)	71888-89-6, 84777-06-0	10	µg/L	n.d.	-	Not Detected	-	-		
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4, 68515-50-4	10	µg/L	n.d.	-	Not Detected	-	-		
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	µg/L	n.d.	-	Not Detected	-	-		
Butyl benzyl phthalate (BBP)	85-68-7	10	µg/L	n.d.	-	Not Detected	-	-		
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	µg/L	n.d.	-	Not Detected	-	-		
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	µg/L	n.d.	-	Not Detected	-	-		
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	µg/L	n.d.	-	Not Detected	-	-		
Di-isobutyl phthalate (DIBP)	84-69-5	10	µg/L	n.d.	-	Not Detected	-	-		
Di-isononyl phthalate (DINP)	28553-12-0	10	µg/L	n.d.	-	Not Detected	-	-		
Di-n-hexyl phthalate (DnHP)	84-75-3	10	µg/L	n.d.	-	Not Detected	-	-		
Di-n-octyl phthalate (DNOP)	117-84-0	10	µg/L	n.d.	-	Not Detected	-	-		
Di-n-pentylphthalates	131-18-0	10	µg/L	n.d.	-	Not Detected	-	-		
Di-n-propyl phthalate (DPRP)	131-16-8	10	µg/L	n.d.	-	Not Detected	-	-		
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	µg/L	n.d.	-	Not Detected	-	-		
Dibutyl phthalate (DBP)	84-74-2	10	µg/L	n.d.	-	Not Detected	-	-		
Diethyl phthalate (DEP)	84-66-2	10	µg/L	n.d.	-	Not Detected	-	-		
Diisopentylphthalates	605-50-5	10	µg/L	n.d.	-	Not Detected	-	-		
Dinonyl phthalate (DNP)	84-76-4	10	µg/L	n.d.	-	Not Detected	-	-		
Polycyclic Aromatic Hydrocarbons (PAHs)										
Acenaphthene	83-32-9	1	µg/L	n.d.	-	Not Detected	-	-		
Acenaphthylene	208-96-8	1	µg/L	n.d.	-	Not Detected	-	-		

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
Anthracene	120-12-7	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[a]anthracene	56-55-3	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[a]pyrene (BaP)	50-32-8	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[b]fluoranthene	205-99-2	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[e]pyrene	192-97-2	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[ghi]perylene	191-24-2	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[j]fluoranthene	205-82-3	1	µg/L	n.d.	-	Not Detected	-	-
Benzo[k]fluoranthene	207-08-9	1	µg/L	n.d.	-	Not Detected	-	-
Chrysene	218-01-9	1	µg/L	n.d.	-	Not Detected	-	-
Dibenz[a,h]anthracene	53-70-3	1	µg/L	n.d.	-	Not Detected	-	-
Fluoranthene	206-44-0	1	µg/L	n.d.	-	Not Detected	-	-
Fluorene	86-73-7	1	µg/L	n.d.	-	Not Detected	-	-
Indeno[1,2,3-cd]pyrene	193-39-5	1	µg/L	n.d.	-	Not Detected	-	-
Naphthalene	91-20-3	1	µg/L	n.d.	-	Not Detected	-	-
Phenanthrene	85-01-8	1	µg/L	n.d.	-	Not Detected	-	-
Pyrene	129-00-0	1	µg/L	n.d.	-	Not Detected	-	-
Restricted Aromatic Amines (Cleavable from Azo-colourants)								
2-naphthylamine	91-59-8	0.1	µg/L	n.d.	-	Not Detected	-	-
2-Naphthylammoniumacetate^	553-00-4	0.1	µg/L	n.d.	-	Not Detected	-	-
2,4-xylidine	95-68-1	0.1	µg/L	n.d.	-	Not Detected	-	-
2,4,5-trimethylaniline	137-17-7	0.1	µg/L	n.d.	-	Not Detected	-	-
2,4,5-trimethylaniline hydrochloride^	21436-97-5	0.1	µg/L	n.d.	-	Not Detected	-	-
2,6-xylidine	87-62-7	0.1	µg/L	n.d.	-	Not Detected	-	-
3,3'-dichlorobenzidine	91-94-1	0.1	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	Sample ID		52325331825101-02		52325331825101-01		Factory Performances	Local Wastewater Discharged Requirement %
	Date of Sampling		16-10-2023		16-10-2023			
	Sampling Location		Raw wastewater collection tank		Discharged waste water outlet			
	Sampling Start Time		9:50		9:35			
	Sampling End Time		16:00		15:45			
	Date of Sample Received		17-10-2023		17-10-2023			
	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Untreated Wastewater		
3,3-dimethoxybenzidine	119-90-4	0.1	µg/L	n.d.	-	Not Detected	-	-
3,3-dimethylbenzidine	119-93-7	0.1	µg/L	n.d.	-	Not Detected	-	-
4-aminoazobenzene	60-09-3	0.1	µg/L	n.d.	-	Not Detected	-	-
4-aminodiphenyl	92-67-1	0.1	µg/L	n.d.	-	Not Detected	-	-
4-chloro-o-toluidine	95-69-2	0.1	µg/L	n.d.	-	Not Detected	-	-
4-chloro-o-toluidinium chloride^	3165-93-3	0.1	µg/L	n.d.	-	Not Detected	-	-
4-chloroaniline	106-47-8	0.1	µg/L	n.d.	-	Not Detected	-	-
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate^	39156-41-7	0.1	µg/L	n.d.	-	Not Detected	-	-
4-methoxy-m-phenylenediamine	615-05-4	0.1	µg/L	n.d.	-	Not Detected	-	-
4-methyl-m-phenylenediamine	95-80-7	0.1	µg/L	n.d.	-	Not Detected	-	-
4,4-methylenebis-(2-chloro-aniline)	101-14-4	0.1	µg/L	n.d.	-	Not Detected	-	-
4,4-methylenedi-o-toluidine	838-88-0	0.1	µg/L	n.d.	-	Not Detected	-	-
4,4-methylenedianiline	101-77-9	0.1	µg/L	n.d.	-	Not Detected	-	-
4,4-oxydianiline	101-80-4	0.1	µg/L	n.d.	-	Not Detected	-	-
4,4-thiodianiline	139-65-1	0.1	µg/L	n.d.	-	Not Detected	-	-
5-nitro-o-toluidine	99-55-8	0.1	µg/L	n.d.	-	Not Detected	-	-
6-methoxy-m-toluidine	120-71-8	0.1	µg/L	n.d.	-	Not Detected	-	-
Benzidine	92-87-5	0.1	µg/L	n.d.	-	Not Detected	-	-
o-aminoazotoluene	97-56-3	0.1	µg/L	n.d.	-	Not Detected	-	-
o-anisidine	90-04-0	0.1	µg/L	n.d.	-	Not Detected	-	-
o-toluidine	95-53-4	0.1	µg/L	n.d.	-	Not Detected	-	-
UV Absorbers								
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	100	µg/L	n.d.	-	Not Detected	-	-
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	µg/L	n.d.	-	Not Detected	-	-

TEST RESULTS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Factory Performances		Local Wastewater Discharged Requirement %	
						Sample ID	52325331825101-02		52325331825101-01
						Date of Sampling	16-10-2023		16-10-2023
						Sampling Location	Raw wastewater collection tank		Discharged waste water outlet
						Sampling Start Time	9:50		9:35
						Sampling End Time	16:00		15:45
						Date of Sample Received	17-10-2023		17-10-2023
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	µg/L	n.d.	-	Not Detected	-	-	
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl)phenol (UV-327)	3864-99-1	100	µg/L	n.d.	-	Not Detected	-	-	
Volatile Organic Compounds (VOC)									
Benzene	71-43-2	1	µg/L	n.d.	-	Not Detected	-	-	
m-cresol	108-39-4	1	µg/L	n.d.	-	Not Detected	-	-	
o-cresol	95-48-7	1	µg/L	n.d.	-	Not Detected	-	-	
p-cresol	106-44-5	1	µg/L	n.d.	-	Not Detected	-	-	
Xylene	1330-20-7	1	µg/L	n.d.	-	Not Detected	-	-	
Toluene**	108-88-3	1	µg/L	n.d.	-	Not Detected	-	-	

Remarks:

"n.d." = Not Detected

"N/A" = Not Tested / Not Applicable

"-" = Not Required to be Test

^The test result is based on the calculation of selected element(s) and to the worst-case scenario

*Test data is provided by the client

**Sample and report only for mock leather

***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)

%Please refer to the details of the Local Wastewater Discharge Requirement in the Appendix Section

TEST PARAMETERS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

ITEMS	CAS No.	METHODS	WASTEWATER		
			Foundational	Progressive	Aspirational
Conventional Parameters					
pH	-	Wastewater: ISO 10523, USEPA 150.1, SM 4500 H ⁺ , HJ 1147 or IS 3025 (Part 11) - Electrometric method only		6-9	
Temperature	-	DIN 38 404-4, USEPA 170.1, SM 2550, GB/T 13195 or IS 3025 (Part 9)	Δ+15°C	Δ+10°C	Δ+5°C
E. Coli	-	SM 9221 B presumptive, confirm positive with SM 9221 F or G		126cfu/100mL	
Colour (436nm; 525nm; 620nm)	-	ISO 7887 B	7;5;3m ⁻¹	5;3;2m ⁻¹	2;1;1m ⁻¹
Persistent Foam	-	-	No indication of Persistent Foam in receiving water		
Wastewater Flowrate	-	-	15m ³ per day		
Ammonium-N	-	ISO 7150, ISO 11732, USEPA 350.1, USEPA 350.3, SM 4500 NH ₃ D, E, F, G or H, HJ 535 or IS 3025 (Part 34) - Phenate or ammonia selective electrode only	10mg/L	1mg/L	0.5mg/L
AOX	-	ISO 9562, HACH LCK 390 or HJT 83-2001	3mg/L	0.5mg/L	0.1mg/L
5-Days Biochemical Oxygen Demand (BOD ₅)	-	ISO 5815-1, USEPA 405.1, SM 5210 B, HJ 505 or IS 3025 (Part 44) - Seeded dilution water (BOD ₅)	30mg/L	15mg/L	8mg/L
Chemical Oxygen Demand (COD)	-	ISO 6060, ISO 15705, USEPA 410.4, SM 5220 D, HJ 828, GB/T 11914 or IS 3025 (Part 58)	150mg/L	80mg/L	40mg/L
Dissolved Oxygen (DO)	-	ISO 5814, USEPA 360.1, SM 4500 O G or HJ 506	Sample and Report Only		
Oil & Grease	-	ISO 9377-2, USEPA 1664 Revision B, SM 5520 B or C, HJ 637 - Total oil and grease or IS 3025 (Part 39) - Partition gravimetric or partition infra-red	10mg/L	2mg/L	0.5mg/L
Total Phenols / Phenol Index	-	ISO 6439, SM 5530 B or C, HJ 503 or IS 3025 (Part 43)	0.5mg/L	0.01mg/L	0.001mg/L
Total Chlorine	-	ISO 7393-2, USEPA 330.5, SM 4500 Cl ⁻ G or HJ 586	Sample and Report Only		
Total Dissolved Solids (TDS)	-	USEPA 160.1, SM 2540 C, GB/T 5750.4-2006 (180°C centigrade) or IS 3025 (Part 16) 179°C to 181°C	Sample and Report Only		
Total Nitrogen	-	ISO 11905 - Part 1, ISO 29441, USEPA 351.2, SM 4500 P J, SM 4500 N B, C, HJ 636 or IS 3025 (Part 34) (Ammonia, nitrate, nitrite, organic)	20mg/L	10mg/L	5mg/L
Total Phosphorus	-	ISO 6878, ISO 11885, ISO 17294, USEPA 200.7, USEPA 200.8, USEPA 365.4, USEPA 6010 C, USEPA 6020 A, SM 4500 P J, GB/T 11893, IS 3025 (Part 31) or IS 3025 (Part 65)	3mg/L	0.5mg/L	0.1mg/L
Total Suspended Solids (TSS)	-	ISO 11923, USEPA 160.2, SM 2540 D, GB/T 11901 or IS 3025 (Part 17) 103°C to 105°C	50mg/L	15mg/L	5mg/L
Anions					
Chloride	-	ISO 10304-1, ISO 15923-1, USEPA 300, SM 4110 B, C, SM 4500 Cl D or E, HJ 84-2016 or IS 3025 (Part 32) - Potentiometric or automated ferricyanide only	Sample and Report Only		
Cyanide	-	Wastewater: ISO 6703-1, -2, -3, ISO 14403-1, -2, USEPA 335.2, SM 4500 CN or HJ 484	0.2mg/L	0.1mg/L	0.05mg/L
Sulfate	-	ISO 10304-1, ISO 15923-1, USEPA 300, USEPA 9038, SM 4110 B, C, SM 4500 SO ₄ ²⁻ E, F, G, HJ 84-2016 or IS 3025 (Part 24)	Sample and Report Only		
Sulfide	-	ISO 10530, SM 4500 S ²⁻ D, E, G or I, HJ 1226 or IS 3025 (Part 29) - Methylene blue only	0.5mg/L	0.05mg/L	0.01mg/L
Sulfite	-	ISO 10304-3, SM 4500 SO ₃ ²⁻ C or HJ 84-2016	2mg/L	0.5mg/L	0.2mg/L
Metals					
Total Antimony (Sb)	7440-36-0	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	0.1mg/L	0.05mg/L	0.01mg/L
Chromium (VI)	7440-47-3, 18540-29-9	Wastewater: ISO 18412, USEPA 218.6, GB 7467 or IS 3025 (Part 52)	0.05mg/L	0.005mg/L	0.001mg/L
Total Barium (Ba)	7440-39-3	Wastewater: USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700	Sample and Report Only		
Total Selenium (Se)	7782-49-2	Wastewater: USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700	Sample and Report Only		
Total Tin (Sn)	7440-31-5	USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700	Sample and Report Only		
Total Arsenic (As)	7440-38-2	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	0.05mg/L	0.01mg/L	0.005mg/L
Total Chromium (Cr)	7440-47-3	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	0.2mg/L	0.1mg/L	0.05mg/L
Total Cobalt (Co)	7440-48-4	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	0.05mg/L	0.02mg/L	0.01mg/L
Total Cadmium (Cd)	7440-43-9	Wastewater: 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	0.1mg/L	0.05mg/L	0.01mg/L
Total Copper (Cu)	7440-50-8	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 42) - AAS instrumental method	1mg/L	0.5mg/L	0.25mg/L
Total Lead (Pb)	7439-92-1	Wastewater: 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	0.1mg/L	0.05mg/L	0.01mg/L
Total Nickel (Ni)	7440-02-0	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11912, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 54) - AAS instrumental method	0.2mg/L	0.1mg/L	0.05mg/L

TEST PARAMETERS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

ITEMS	CAS No.	METHODS	WASTEWATER		
			Foundational	Progressive	Aspirational
Total Silver (Ag)	7440-22-4	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)	0.1mg/L	0.05mg/L	0.005mg/L
Total Zinc (Zn)	7440-66-6	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7472, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 49) - AAS instrumental method	5mg/L	1mg/L	0.5mg/L
Total Mercury (Hg)	7439-97-6	Wastewater: 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	0.01mg/L	0.005mg/L	0.001mg/L
Total Boron (B)	7440-42-8	ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)		-	
Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)					
NP / OP	-	Wastewater: With reference to ISO 18857-2 (Modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS))		5µg/L	
NPEO / OPEO	-	Wastewater: With reference to ISO 18857-2 or ASTM D7742		5µg/L	
Anti-Microbials & Biocides					
o-Phenylphenol (+salts)	90-43-7	With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS		100µg/L	
Triclosan	3380-34-5	With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS		100µg/L	
Permethrin	Multiple	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		500µg/L	
Chlorinated Paraffins					
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	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		5µg/L	
Short-chain Chlorinated Paraffin (SCCPs) (C10-C13)	85535-84-8	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		5µg/L	
Chlorobenzenes & Chlorotoluenes					
		Wastewater: With reference to USEPA 8260 D, USEPA 8270 E, Purge and Trap, Headspace or Dichloromethane extraction followed by GC-MS		0.2µg/L	
Chlorophenols					
		With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS		0.5µg/L	
Dimethyl Formamide (DMFa)					
	68-12-2	With reference to USEPA 8015 or USEPA 8270 E		1000µg/L	
Dyes - Carcinogenic or Equivalent Concern					
		With reference to Liquid extraction followed by LC-MS		500µg/L	
Dyes - Disperse (Allergenic)					
		With reference to Liquid extraction followed by LC-MS		50µg/L	
Dyes - Navy Blue Colourant					
		With reference to Liquid extraction followed by LC-MS		500µg/L	
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)		Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: 100µg/L Others: 25µg/L	
Glycols / Glycol Ethers					
		With reference to USEPA 8270 E or Liquid extraction followed by LC-MS or GC-MS		50µg/L	
Halogenated Solvents					
		With reference to USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS		1µg/L	
Organotin Compounds					
		TeET: With reference to ISO 17353 Others: With reference to ISO 17353 or Derivatization with NaB(C ₂ H ₅) ₄ followed by GC-MS		0.01µg/L	
Other/Miscellaneous Chemicals					
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	With reference to Liquid extraction followed by LC-MS/MS		500µg/L	
Bisphenol A	80-05-7	With reference to Liquid extraction followed by LC-MS		10µg/L	
Thiourea	62-56-6	With reference to Liquid extraction followed by LC-MS		50µg/L	
Quinoline	91-22-5	With reference to Liquid extraction followed by LC-MS		50µg/L	

TEST PARAMETERS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

ITEMS	CAS No.	METHODS	WASTEWATER		
			Foundational	Progressive	Aspirational
Borate, zinc salt	12767-90-7	ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	100µg/L		
Perfluorinated and Polyfluorinated Chemicals (PFCs)		<u>PFCs:</u> With reference to USEPA 537:2020 followed by LC-MS(-MS) <u>FTOH:</u> With reference to BS EN 12673-1999, USEPA 8270 E or Derivatization with acetic anhydride followed by GC-MS	PFCs: 0.01µg/L FTOH: 1µg/L		
Phthalates		With reference to ISO 18856, USEPA 8270 E or Dichloromethane extraction followed by GC-MS	10µg/L		
Polycyclic Aromatic Hydrocarbons (PAHs)		<u>Wastewater:</u> With reference to DIN 38407-39, USEPA 8270 E or Solvent extraction followed by GC-MS	1µg/L		
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	0.1µg/L		
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)	100µg/L		
Volatile Organic Compounds (VOCs)					
Benzene	71-43-2	With reference to ISO 11423-1, ISO 20595, USEPA 8260 D, Purge and Trap or Static Headspace followed by GC-MS	1µg/L		
m-cresol / o-cresol / p-cresol	108-39-4 / 94-48-7 / 106-44-5	With reference to BS EN 12637-1999, ISO 11423-1, USEPA 8270 E, Purge and Trap or Headspace followed by GC-MS	1µg/L		
Xylene	1330-20-7	With reference to ISO 11423-1, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS	1µg/L		
Toluene	108-88-3	With reference to ISO 11423-1, USEPA 8260 D or HJ 1067	1µg/L		

PIPING PLAN

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.
Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu



图2 生产厂区总平面布置图

Remark:
1) Untreated Wastewater
2) Effluent

SAMPLING PHOTOS

Factory Name: HUAI AN CHUYUAN CLOTHING WASHING CO., LTD.

Factory Address: No.29 Wangtingzhen Road, Development Zone, Huaian Area, Huaian City, Jiangsu

UNTREATED WASTEWATER

GPS Data: 33°32'31" N, 119°10'15" E

SAMPLING LOCATION, CLOSE-UP VIEW



EFFLUENT

GPS Data: 33°32'32" N, 119°10'15" E

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



SAMPLING LOCATION, FAR VIEW



***** END OF REPORT *****