

## TEST REPORT

**CLIENT DETAILS**

**Client Name:** SHENZHEN HUAREN TEXTILES CO., LTD.  
**Client Contact:** BEN ZHOU  
**Telephone:** 18675648871  
**E-mail:** [ben\\_zhou@huarenlinen.cn](mailto:ben_zhou@huarenlinen.cn)  
**Address:** 505 BLOCK E, HUASAI INDUSTRIAL ZONE, NO.1 BANLAN ROAD, BANTIAN, LONGGANG DISTRICT, SHENZHEN, CHINA

**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](mailto:Lily-li@sgs.com)  
**Address:** The 4th Building, No.889, Yishan Road, Xuhui District, Shanghai, China

**FACTORY DETAILS**

**Factory Name:** ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.  
**Factory Contact:** Ping Yi  
**Telephone:** 18646147388  
**E-mail:** [18646147388@163.com](mailto:18646147388@163.com)  
**Address:** NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG  
**Types of Mills:** (4) Fabric Dyeing, Finishing, Printing  
**On-Site ETP:** Yes  
**Discharge Destination:** To Centralized Waste Water Treatment Plant  
**Name of Municipal/Centralized ETP:** Shengxin Sewage Treatment Plant  
**Address of Municipal/Centralized ETP:** Shengzhou Avenue, Xianyan Town, Shengzhou City

**SAMPLE AND TESTING DETAILS**

**Sampling Country:** SGS Shanghai  
**ZDHC Sampler's Certification No.:** C74D106818054  
**Sampling Date:** 23-03-2023  
**Sample Received Date:** 24-03-2023  
**Test Performing Period:** 24-03-2023 - 10-04-2023  
**No. of Samples:** Water (2); Sludge (1); Leachate (1)  
**Sample Descriptions:** 1) Untreated Wastewater (Grab)  
 2) Effluent (6-hour Composite)  
 3) Sludge (Grab)  
 4) Leachate  
**Sample Volume:** 1) Untreated Wastewater (12L)  
 2) Effluent (4L)  
 3) Sludge (1.5Kg)  
**Testing Institute:** SGS Shanghai  
**Discharge Method:** Indirect Discharge

**OVERALL RESULTS**

	Untreated Wastewater	Effluent	Sludge	Leachate
<b>Conventional Parameters / Anions / Metals:</b>	-	Fulfill Aspirational Limit	Please refer to the information in TEST RESULTS	Not Detected
<b>MRSL Parameters:</b>	Detected	-	Sample and Report Only	-

**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.

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



**Linda Wang**  
**Chemical Manager**

RESULT SUMMARY

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

TEST ITEMS	Untreated Wastewater	Effluent	Sludge	Leachate
Conventional Parameters	-	-	Please refer to the information in TEST RESULTS	-
Anions	-	-	O	-
Metals	-	O	Please refer to the information in TEST RESULTS	O
Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)	O	-	Sample and Report Only	-
Anti-Microbials & Biocides	O	-	-	-
Chlorinated Paraffins	O	-	-	-
Chlorobenzenes and Chlorotoluenes	O	-	Sample and Report Only	-
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	-	Sample and Report Only	-
Restricted Aromatic Amines	X	-	-	-
UV Absorbers	O	-	-	-
Volatile Organic Compounds (VOCs)	O	-	-	-

Note:

X - Detected

O - Not Detected

N/A - Not Tested / Not Applicable

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %
												Untreated Wastewater	Effluent	Sludge	Leachate	
Sample ID		52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	Factory Performances				Local Wastewater Discharged Requirement %
Date of Sampling		23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-					
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-					
Sampling Start Time		9:30	9:30	-	-	10:00	-	-	-	-	-					
Sampling End Time		9:40	15:40	-	-	10:10	-	-	-	-	-					
Date of Sample Received		24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-					
Sample Colour Description	-	-	-	Dark green	Near Colorless	-	-	Black	-	-	-	-	-	-	-	-
Wastewater Flowrate*	-	-	m <sup>3</sup> /day	-	3000	-	-	-	-	-	-	-	-	-	-	-
Sludge Disposal Pathway	-	-	-	-	-	-	-	Pathway C	-	-	-	-	-	-	-	-
<b>Conventional Parameters</b>																
pH	-	-	-	-	-	-	-	8.2	-	-	-	-	-	Not Detected	-	6-9
Paint Filter Test	-	-	-	-	-	Pass	-	Pass	-	-	-	-	-	Sample and Report Only	-	N/A
Fecal Coliform	-	-	-	-	-	1000	MPN/g	n.d.	-	-	-	-	-	Sample and Report Only	-	N/A
<b>Anions</b>																
Cyanide, Total	-	-	-	-	-	20	mg/kg	n.d.	-	-	-	-	-	Not Detected	-	N/A
<b>Metals</b>																
Total Antimony (Sb)	7440-36-0	-	-	-	-	5	mg/kg	n.d.	0.01	mg/L	N/A	-	-	-	N/A	N/A
Chromium (VI)	7440-47-3, 18540-29-9	0.001	mg/L	-	n.d.	20	mg/kg	n.d.	0.001	mg/L	N/A	-	Fulfill Aspirational Limit	-	N/A	N/A
Total Barium (Ba)	7440-39-3	-	-	-	-	200	mg/kg	n.d.	35	mg/L	N/A	-	-	-	N/A	N/A
Total Selenium (Se)	7782-49-2	-	-	-	-	5	mg/kg	n.d.	0.5	mg/L	N/A	-	-	-	N/A	N/A
Total Arsenic (As)	7440-38-2	0.005	mg/L	-	n.d.	5	mg/kg	7	0.005	mg/L	N/A	-	Fulfill Aspirational Limit	-	N/A	N/A
Total Chromium (Cr)	7440-47-3	-	-	-	-	50	mg/kg	292	0.05	mg/L	n.d.	-	-	-	Not Detected	N/A
Total Cobalt (Co)	7440-48-4	-	-	-	-	400	mg/kg	n.d.	0.01	mg/L	N/A	-	-	-	N/A	N/A
Total Cadmium (Cd)	7440-43-9	0.01	mg/L	-	n.d.	1	mg/kg	n.d.	0.01	mg/L	N/A	-	Fulfill Aspirational Limit	-	N/A	N/A
Total Copper (Cu)	7440-50-8	-	-	-	-	50	mg/kg	249	0.25	mg/L	n.d.	-	-	-	Not Detected	N/A
Total Lead (Pb)	7439-92-1	0.01	mg/L	-	n.d.	5	mg/kg	5	0.01	mg/L	N/A	-	Fulfill Aspirational Limit	-	N/A	N/A
Total Nickel (Ni)	7440-02-0	-	-	-	-	20	mg/kg	210	0.05	mg/L	n.d.	-	-	-	Not Detected	N/A
Total Silver (Ag)	7440-22-4	-	-	-	-	50	mg/kg	n.d.	0.005	mg/L	N/A	-	-	-	N/A	N/A
Total Zinc (Zn)	7440-66-6	0.1	mg/L	n.d.	-	400	mg/kg	518	0.1	mg/L	N/A	Not Detected	-	-	N/A	N/A
Total Mercury (Hg)	7439-97-6	0.001	mg/L	-	n.d.	1	mg/kg	n.d.	0.001	mg/L	N/A	-	Fulfill Aspirational Limit	-	N/A	N/A
Total Boron (B)	7440-42-8	0.1	mg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	N/A
<b>Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers</b>																
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0, 104-40-5,	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	µg	Not Detected	-	Sample and Report Only	-	-
Nonylphenol (NP), mixed isomers	11066-49-2, 25154-52-3, 84852-15-3,	5	µg/L	n.d.	-	0.4	mg/kg	0.7	-	-	µg	Not Detected	-	Sample and Report Only	-	-
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5, 68987-90-6,	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	µg	Not Detected	-	Sample and Report Only	-	-
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4, 27193-28-8	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	µg	Not Detected	-	Sample and Report Only	-	-

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %																																																																												
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Sample ID</td> <td>52305264222301-02</td> <td>52305264222301-01</td> <td>-</td> <td>-</td> <td>52305264222301-03</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td colspan="4" rowspan="6" style="text-align: center; vertical-align: middle;">Factory Performances</td> <td rowspan="6" style="text-align: center; vertical-align: middle;">Local Wastewater Discharged Requirement %</td> </tr> <tr> <td style="text-align: center;">Date of Sampling</td> <td>23-03-2023</td> <td>23-03-2023</td> <td>-</td> <td>-</td> <td>23-03-2023</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td style="text-align: center;">Sampling Location</td> <td>Raw wastewater collection tank</td> <td>Discharged waste water outlet</td> <td>-</td> <td>-</td> <td>Sludge stacking place</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td style="text-align: center;">Sampling Start Time</td> <td>9:30</td> <td>9:30</td> <td>-</td> <td>-</td> <td>10:00</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td style="text-align: center;">Sampling End Time</td> <td>9:40</td> <td>15:40</td> <td>-</td> <td>-</td> <td>10:10</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td style="text-align: center;">Date of Sample Received</td> <td>24-03-2023</td> <td>24-03-2023</td> <td>-</td> <td>-</td> <td>24-03-2023</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>																Sample ID	52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	-	Factory Performances				Local Wastewater Discharged Requirement %	Date of Sampling	23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-	Sampling Location	Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-	Sampling Start Time	9:30	9:30	-	-	10:00	-	-	-	-	-	-	Sampling End Time	9:40	15:40	-	-	10:10	-	-	-	-	-	-	Date of Sample Received	24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-	-
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<b>Anti- Microbials &amp; Biocides</b>																																																																																												
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	-	-	-	-																																																																												
<b>Chlorinated Paraffins</b>																																																																																												
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	-	-	-	-																																																																												
<b>Chlorobenzenes and Chlorotoluenes</b>																																																																																												
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	-	-	-	-																																																																												
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.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
3-Chlorotoluene	108-41-8	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
4-Chlorotoluene	106-43-4	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
2,3-Dichlorotoluene	32768-54-0	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
2,4-Dichlorotoluene	95-73-8	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
2,5-Dichlorotoluene	19398-61-9	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
2,6-Dichlorotoluene	118-69-4	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												
3,4-Dichlorotoluene	95-75-0	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																																												

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %
												Untreated Wastewater	Effluent	Sludge	Leachate	
Sample ID		52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	-	-	-	-	-
Date of Sampling		23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-	-	-	-	-
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-	-	-	-	-
Sampling Start Time		9:30	9:30	-	-	10:00	-	-	-	-	-	-	-	-	-	-
Sampling End Time		9:40	15:40	-	-	10:10	-	-	-	-	-	-	-	-	-	-
Date of Sample Received		24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-	-	-	-	-	-
3,5-Dichlorotoluene	25186-47-4	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,3,4-Trichlorotoluene	7359-72-0	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,3,6-Trichlorotoluene	2077-46-5	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,4,5-Trichlorotoluene	6639-30-1	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,4,6-Trichlorotoluene	23749-65-7	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
3,4,5-Trichlorotoluene	21472-86-6	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
Pentachlorotoluene	877-11-2	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
<b>Chlorophenols</b>																
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	-	-	-	-

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge <sup>Φ</sup>	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %																																																																																								
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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	-	-	-	-																																																																																								
<b>Dimethyl Formamide (DMFa)</b>																																																																																																								
Dimethyl formamide; N,N-dimethylformamide (DMFa)**	68-12-2	1000	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
<b>Dyes - Carcinogenic or Equivalent Concern</b>																																																																																																								
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) <sup>^</sup>	569-64-2	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
C.I. Basic Green 4 (Malachite Green Oxalate) <sup>^</sup>	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	-	-	-	-																																																																																								
<b>Dyes - Disperse (Allergenic)</b>																																																																																																								
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	-	-	-	-																																																																																								

TEST RESULTS

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Disperse Orange 1	2581-69-3	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																														
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	-	-	-	-																																																																														
<b>Dyes - Navy Blue Colourant</b>																																																																																														
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	-	-	-	-																																																																														
<b>Flame Retardants</b>																																																																																														
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	-	-	-	-																																																																														
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	-	-	-	-																																																																														

TEST RESULTS

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												Untreated Wastewater	Effluent	Sludge	Leachate				
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Sample ID		52305264222 301-02	52305264222 301-01	-	-	52305264222 301-03	-	-	-	-	-	-						-	-
Date of Sampling		23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-						-	-
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-						-	-
Sampling Start Time		9:30	9:30	-	-	10:00	-	-	-	-	-	-						-	-
Sampling End Time		9:40	15:40	-	-	10:10	-	-	-	-	-	-						-	-
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Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent			
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	-	-	-	-			
<b>Glycols / Glycol Ethers</b>																			
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	-	-	-	-			
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	-	-	-	-			
<b>Halogenated Solvents</b>																			
1,2-Dichloroethane	107-06-2	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-			



TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

		Sample ID			52305264222			52305264222								Local Wastewater Discharged Requirement %
		301-02	301-01	301-03							Factory Performances					
Date of Sampling		23-03-2023	23-03-2023	23-03-2023												
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet	Sludge stacking place												
Sampling Start Time		9:30	9:30	10:00												
Sampling End Time		9:40	15:40	10:10												
Date of Sample Received		24-03-2023	24-03-2023	24-03-2023												
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent
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	-	-	-	-
<b>Organotin Compounds</b>																
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	0.16	-	-	-	-	-	-	-	Detected	-	-	-	-
Monomethyltin (MMT)	Multiple	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Dimethyltin (DMT)	Multiple	0.01	µg/L	0.16	-	-	-	-	-	-	-	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	-	-	-	-
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	0.04	-	-	-	-	-	-	-	Detected	-	-	-	-
<b>Other/Miscellaneous Chemicals</b>																
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %																																																																																								
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<table border="1"> <thead> <tr> <th>Sample ID</th> <td>52305264222301-02</td> <td>52305264222301-01</td> <td>-</td> <td>-</td> <td>52305264222301-03</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <th>Date of Sampling</th> <td>23-03-2023</td> <td>23-03-2023</td> <td>-</td> <td>-</td> <td>23-03-2023</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <th>Sampling Location</th> <td>Raw wastewater collection tank</td> <td>Discharged waste water outlet</td> <td>-</td> <td>-</td> <td>Sludge stacking place</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <th>Sampling Start Time</th> <td>9:30</td> <td>9:30</td> <td>-</td> <td>-</td> <td>10:00</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <th>Sampling End Time</th> <td>9:40</td> <td>15:40</td> <td>-</td> <td>-</td> <td>10:10</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <th>Date of Sample Received</th> <td>24-03-2023</td> <td>24-03-2023</td> <td>-</td> <td>-</td> <td>24-03-2023</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </thead> </table>													Sample ID	52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	-	-	Date of Sampling	23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-	-	Sampling Location	Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-	-	Sampling Start Time	9:30	9:30	-	-	10:00	-	-	-	-	-	-	-	Sampling End Time	9:40	15:40	-	-	10:10	-	-	-	-	-	-	-	Date of Sample Received	24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-	-	-														
Sample ID	52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	-	-																																																																																												
Date of Sampling	23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-	-																																																																																												
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Date of Sample Received	24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-	-	-																																																																																												
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	-	-	-	-																																																																																								
<b>Perfluorinated and Polyfluorinated Chemicals (PFCs)</b>																																																																																																								
Perfluorooctane sulfonate (PFOS)***	1763-23-1	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
N-ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
N-methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
Perfluorooctane sulfonamide (PFOSA)	754-91-6	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																																																								
Perfluorooctanoic acid (PFOA)****	335-67-1	0.01	µg/L	n.d.( <0.05 µg/L)1	-	-	-	-	-	-	-	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	-	-	-	-																																																																																								
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	-	-	-	-																																																																																								
<b>Phthalates - including all other esters of ortho-phthalic acid</b>																																																																																																								
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	-	-	-	-																																																																																								

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharged Requirement %				
												Untreated Wastewater	Effluent	Sludge	Leachate					
													Factory Performances				Local Wastewater Discharged Requirement %			
Sample ID		52305264222301-02	52305264222301-01	-	-	52305264222301-03	-	-	-	-	-	-						-	-	-
Date of Sampling		23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-						-	-	-
Sampling Location		Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-						-	-	-
Sampling Start Time		9:30	9:30	-	-	10:00	-	-	-	-	-	-						-	-	-
Sampling End Time		9:40	15:40	-	-	10:10	-	-	-	-	-	-						-	-	-
Date of Sample Received		24-03-2023	24-03-2023	-	-	24-03-2023	-	-	-	-	-	-	-	-	-					
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent				
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.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Acenaphthylene	208-96-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Anthracene	120-12-7	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[a]anthracene	56-55-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[a]pyrene (BaP)	50-32-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[b]fluoranthene	205-99-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[e]pyrene	192-97-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[ghi]perylene	191-24-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[j]fluoranthene	205-82-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Benzo[k]fluoranthene	207-08-9	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Chrysene	218-01-9	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Dibenz[a,h]anthracene	53-70-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Fluoranthene	206-44-0	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Fluorene	86-73-7	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Indeno[1,2,3-cd]pyrene	193-39-5	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				
Naphthalene	91-20-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-				

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

Items	CAS No.	Reporting Limit	Units	Sample ID			Date of Sampling			Sampling Location			Sampling Start Time			Sampling End Time			Date of Sample Received	Factory Performances					Local Wastewater Discharged Requirement %
				52305264222 301-02	52305264222 301-01	-	-	52305264222 301-03	-	-	-	-	-	-	-	-	-	-		-	-	-			
				23-03-2023	23-03-2023	-	-	23-03-2023	-	-	-	-	-	-	-	-	-	-		-	-	-			
				Raw wastewater collection tank	Discharged waste water outlet	-	-	Sludge stacking place	-	-	-	-	-	-	-	-	-	-		-	-	-			
				9:30	9:30	-	-	10:00	-	-	-	-	-	-	-	-	-	-		-	-	-			
				9:40	15:40	-	-	10:10	-	-	-	-	-	-	-	-	-	-		-	-	-			
				Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent									
Phenanthrene	85-01-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-									
Pyrene	129-00-0	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-									
<b>Restricted Aromatic Amines (Cleavable from Azo-colourants)</b>																									
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	-	-	-	-									
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	2.7	-	-	-	-	-	-	-	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	-	-	-	-									

TEST RESULTS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

		Sample ID		52305264222301-02		52305264222301-01		52305264222301-03				Factory Performances				Local Wastewater Discharged Requirement %
		Date of Sampling		23-03-2023		23-03-2023		23-03-2023								
		Sampling Location		Raw wastewater collection tank		Discharged waste water outlet		Sludge stacking place								
		Sampling Start Time		9:30		9:30		10:00								
		Sampling End Time		9:40		15:40		10:10								
		Date of Sample Received		24-03-2023		24-03-2023		24-03-2023								
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge <sup>Φ</sup>	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent
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	-	-	-	-
<b>UV Absorbers</b>																
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-ditertbutylphenol (UV-328)	25973-55-1	100	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
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	-	-	-	-
<b>Volatile Organic Compounds (VOC)</b>																
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	-	-	-	-
<b>Additional Parameters</b>																
Dry Mass (Total Solids)	-	-	-	-	-	-	%	34.5	-	-	-	-	-	Sample and Report Only	-	-

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-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub> (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)

ΦSludge results are reported based on dry mass

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

1) LOR values have been adjusted accordingly due to matrix interference.

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TEST PARAMETERS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE							LEACHATE							
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	
<b>Conventional Parameters</b>																				
pH	-	Wastewater: ISO 10523, USEPA 150.1, SM 4500 H <sup>+</sup> , HJ 1147 or IS 3025 (Part 11) - Electrometric method only Sludge: USEPA 9045 D or HJ 962	6-9			Sample and Report Only	Sample and Report Only	5-11	5-11	5-11	6.5-9	6.5-9								
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 <sup>-1</sup>	5;3;2m <sup>-1</sup>	2;1;1m <sup>-1</sup>															
Persistent Foam	-	-	No indication of Persistent Foam in receiving water																	
Wastewater Flowrate	-	-	15m <sup>3</sup> per day																	
Ammonium-N	-	ISO 7150, ISO 11732, USEPA 350.1, USEPA 350.3, SM 4500 NH <sub>3</sub> 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 <sub>5</sub> )	-	ISO 5815-1, USEPA 405.1, SM 5210 B, HJ 505 or IS 3025 (Part 44) - Seeded dilution water (BOD <sub>5</sub> )	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 <sub>2</sub> 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 <sup>-</sup> 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															
% Solids	-	USEPA 160.3 or HJ 613 at 105°C				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	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only		
Paint Filter Test	-	USEPA SW-846 or USEPA 9095 B				Sample and Report Only	Sample and Report Only	Sample and Report Only	Pass	Pass	Pass	Sample and Report Only								
Fecal Coliform	-	USEPA 1681				Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	1000MPN/g	1000MPN/g								
<b>Anions</b>																				
Chloride	-	ISO 10304-1, ISO 15923-1, USEPA 300, SM 4110 B, C, SM 4500 Cl <sup>-</sup> D or E, HJ 84-2016 or IS 3025 (Part 32) - Potentiometric or automated ferricyanide only	Sample and Report Only																	
Cyanide	-	ISO 6703-1, -2, -3, ISO 14403-1, -2, USEPA 335.2, SM 4500 CN or HJ 484 Wastewater: Sludge: Preparation: USEPA 9013 Analysis: USEPA 9014, USEPA 9213 or HJ 745	0.2mg/L	0.1mg/L	0.05mg/L	Sample and Report Only	Sample and Report Only	100mg/kg	85mg/kg	70mg/kg	70mg/kg	70mg/kg								
Sulfate	-	ISO 10304-1, ISO 15923-1, USEPA 300, USEPA 9038, SM 4110 B, C, SM 4500 SO <sub>4</sub> <sup>2-</sup> E, F, G, HJ 84-2016 or IS 3025 (Part 24)	Sample and Report Only																	
Sulfide	-	ISO 10530, SM 4500 S <sup>2-</sup> 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 <sub>3</sub> <sup>2-</sup> C or HJ 84-2016	2mg/L	0.5mg/L	0.2mg/L															
<b>Metals</b>																				
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) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A Wastewater: ISO 18412, USEPA 218.6, GB 7467 or IS 3025 (Part 52)	0.1mg/L	0.05mg/L	0.01mg/L								Sample and Report Only	Sample and Report Only	Sample and Report Only	15mg/L	7.8mg/L	0.6mg/L	0.6mg/L	0.6mg/L
Chromium (VI)	7440-47-3, 18540-29-9	Wastewater: Sludge: Preparation: USEPA 3060 A Analysis: USEPA 7196 or USEPA 7199 Leachate: Leachate Extraction: USEPA 1311 Analysis: ISO 18412, USEPA 7196 or USEPA 7199	0.05mg/L	0.005mg/L	0.001mg/L								50mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	3.75mg/L	2.5mg/L	2.5mg/L	2.5mg/L

TEST PARAMETERS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE							LEACHATE						
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G
Total Barium (Ba)	7440-39-3	<p><u>Wastewater:</u> USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700</p>	Sample and Report Only	-	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	100mg/L	67.5mg/L	35mg/L	35mg/L	35mg/L	
Total Selenium (Se)	7782-49-2	<p><u>Wastewater:</u> USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p>	Sample and Report Only	-	-	-	-	-	-	-	100mg/kg	Sample and Report Only	Sample and Report Only	1mg/L	0.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L	
Total Tin (Sn)	7440-31-5	<p><u>Wastewater:</u> USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700</p> <p><u>Sludge:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p>	Sample and Report Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Arsenic (As)	7440-38-2	<p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p>	0.05mg/L	0.01mg/L	0.005mg/L	-	-	-	-	-	-	75mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	2.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L
Total Chromium (Cr)	7440-47-3	<p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p>	0.2mg/L	0.1mg/L	0.05mg/L	-	-	-	-	-	-	3000mg/kg	Sample and Report Only	Sample and Report Only	15mg/L	10mg/L	5mg/L	5mg/L	5mg/L
Total Cobalt (Co)	7440-48-4	<p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A</p> <p><u>Wastewater:</u> 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</p>	0.05mg/L	0.02mg/L	0.01mg/L	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	80mg/L	80mg/L	80mg/L	80mg/L	80mg/L
Total Cadmium (Cd)	7440-43-9	<p><u>Wastewater:</u> 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</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> 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</p>	0.1mg/L	0.05mg/L	0.01mg/L	-	-	-	-	-	-	85mg/kg	Sample and Report Only	Sample and Report Only	1mg/L	0.58mg/L	0.15mg/L	0.15mg/L	0.15mg/L
Total Copper (Cu)	7440-50-8	<p><u>Wastewater:</u> 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</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> 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</p>	1mg/L	0.5mg/L	0.25mg/L	-	-	-	-	-	-	4300mg/kg	Sample and Report Only	Sample and Report Only	25mg/L	17.5mg/L	10mg/L	10mg/L	10mg/L
Total Lead (Pb)	7439-92-1	<p><u>Wastewater:</u> 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</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)</p>	0.1mg/L	0.05mg/L	0.01mg/L	-	-	-	-	-	-	840mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	2.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L
Total Nickel (Ni)	7440-02-0	<p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C, or USEPA 6020 A</p> <p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)</p>	0.2mg/L	0.1mg/L	0.05mg/L	-	-	-	-	-	-	420mg/kg	Sample and Report Only	Sample and Report Only	20mg/L	11.75mg/L	3.5mg/L	3.5mg/L	3.5mg/L
Total Silver (Ag)	7440-22-4	<p><u>Wastewater:</u> ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)</p> <p><u>Sludge:</u> Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B</p> <p><u>Leachate:</u> Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A</p>	0.1mg/L	0.05mg/L	0.005mg/L	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	5mg/L	5mg/L	5mg/L	5mg/L	5mg/L





TEST PARAMETERS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

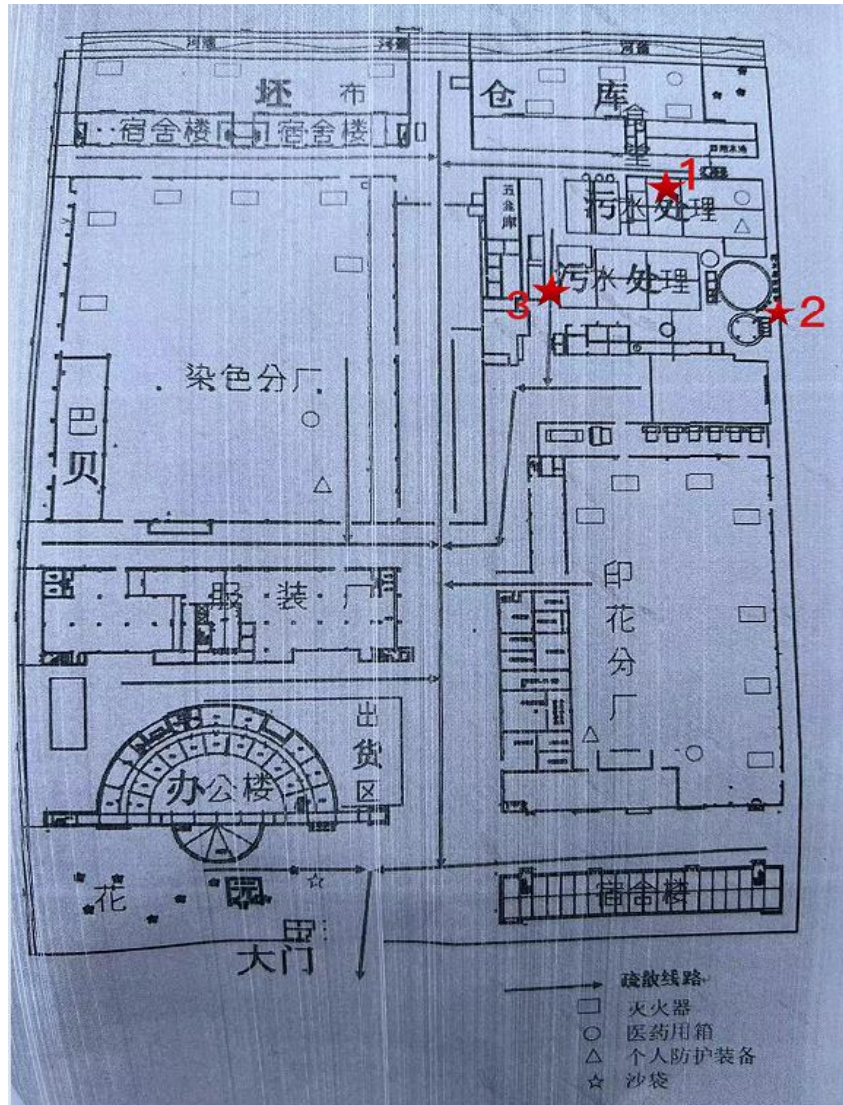
ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE							LEACHATE						
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G
Glycols / Glycol Ethers		With reference to USEPA 8270 E or 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		<u>TeETI</u> With reference to ISO 17353 <u>Others</u> With reference to ISO 17353 or Derivatization with NaB(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> , followed by GC-MS	0.01µg/L																
<b>Other/Miscellaneous Chemicals</b>																			
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																
Borate, zinc salt	12767-90-7	ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	100µg/L																
<b>Perfluorinated and Polyfluorinated Chemicals (PFCs)</b>		<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																
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>		<u>Wastewater</u> With reference to DIN 38407-39, USEPA 8270 E or Solvent extraction followed by GC-MS <u>Sludge</u> Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic Clean-up: With reference to USEPA 3640 Analysis: With reference to USEPA 8270 E or HJ 805-2016	1µg/L				Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2mg/kg	0.2mg/kg	0.2mg/kg	0.2mg/kg						
<b>Restricted Aromatic Amines (Cleavable from Azo-colourants)</b>		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 6321 B or Dichloromethane extraction followed by GC-MS or LC-MS(-MS)	100µg/L																
<b>Volatile Organic Compounds (VOCs)</b>																			
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																

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## PIPING PLAN

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG



Remark:

- 1) Untreated Wastewater
- 2) Effluent
- 3) Sludge

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### SAMPLING PHOTOS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

#### UNTREATED WASTEWATER

GPS Data: 29°37'32" N, 120°49'36" E

#### SAMPLING LOCATION, CLOSE-UP VIEW



#### EFFLUENT

GPS Data: 29°37'31" N, 120°49'39" E

#### SAMPLING LOCATION, CLOSE-UP VIEW



#### SAMPLING LOCATION, FAR VIEW



#### SAMPLING LOCATION, FAR VIEW



### SAMPLING PHOTOS

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

#### SLUDGE

GPS Data: 29°37'30" N, 120°49'37" E

#### SAMPLING LOCATION, CLOSE-UP VIEW



#### SAMPLING LOCATION, FAR VIEW



LOCAL WASTEWATER DISCHARGE REQUIREMENT

FACTORY DISCHARGE LICENCE BASED ON GB 4287-2012 Discharge standards

Factory Name: ZHEJIANG GUANDONG DYEING & GARMENTS CO., LTD.

Factory Address: NO.1 GUANDONG ROAD, CITY NORTHWARD ECONOMIC DEVELOPMENT AREA, SHENGZHOU CITY, SHAOXING CITY, ZHEJIANG

1、废水污染物排放许可限值

(1) 主要排放口

排放口编号	排放口名称	污染物种类	许可排放浓度限值 (mg/L)	许可年排放量限值 (t/a)				
				第一年	第二年	第三年	第四年	第五年
DW001	排放口	总磷 (以P计)	1.5mg/L	/	/	/	/	/
DW001	排放口	硫化物	0.5mg/L	/	/	/	/	/
DW001	排放口	氨氮 (NH <sub>3</sub> -N)	20mg/L	/	/	/	/	/
DW001	排放口	五日生化需氧量	50mg/L	/	/	/	/	/
DW001	排放口	可吸附有机卤化物	12mg/L	/	/	/	/	/
DW001	排放口	总氮 (以N计)	30mg/L	/	/	/	/	/
DW001	排放口	悬浮物	100mg/L	/	/	/	/	/
DW001	排放口	色度	80mg/L	/	/	/	/	/
DW001	排放口	化学需氧量	200mg/L	/	/	/	/	/
DW001	排放口	pH值	6-9	/	/	/	/	/
DW001	排放口	二氧化氯	0.5mg/L	/	/	/	/	/
DW001	排放口	流量	/mg/L	/	/	/	/	/
DW001	排放口	苯胺类	1.0mg/L	/	/	/	/	/