

Test Report No.: 244507786a 001**Client:** ZHEJIANG H&S DYEING AND FINISHING INC

Ketong, Xucun, Haining, Zhejiang, P.R. China

Buyer's Name : -**Factory Details**

Factory Name : Zhejiang H&S Dyeing And Finishing INC
 Factory Address (with geographical coordinates) : Ketong, Xucun, Haining, Zhejiang, P.R. China
 On-site ETP : Y
 Discharge Type of Wastewater : Indirect discharge
 Destination of Wastewater : Haining Shangtang Water Co., Ltd.

For Indirect discharge

Name of public wastewater treatment plants(CETP) : Haining Shangtang Water Co., Ltd.
 Address of public wastewater treatment plants(CETP) : 7th Floor, 539 Xiuchuan Road, Chang'an Town, Zhejiang Province, China

Sampling Details

Sampling Date : 2023-04-17
 Sample Receiving Date : 2023-04-18
 Testing Period : 2023-04-18 to 2023-04-27

Sampling Method:

Sample Type	Total Volume	1	2	3	4	5	6
Discharged Wastewater	1L	10:55	11:55	12:55	13:55	14:55	15:55
Raw Wastewater	15L	10:45	11:45	12:45	13:45	14:45	15:45
Incoming Water	4L	11:05	-	-	-	-	-
Sludge	1 Bottle	10:35	-	-	-	-	-

Overall Rating	Discharged Wastewater	Raw Wastewater	Sludge
Conventional Parameters / Anion / Metals	Fulfill Aspirational Limit	Not Tested	Report Only
MRS� Parameters	Not Tested	Comply	Report Only
Legal Compliance	Not Tested	Not Tested	Not Tested
Specifications	ZDHC Wastewater Guidelines Version 2.1 (November 2022) GB 4287-2012 (Regulatory Requirement Listed in APPENDIX A)		

For and on behalf of
 TÜV Rheinland (Shanghai) Co., Ltd.



2023-04-27

Carmen Yan / Department Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Result Summary :

Conventional Parameters	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
pH Value	-	-	-	Report Only
Anion - Cyanide	-	-	-	Report Only
Heavy Metals	-	Aspirational	-	Report Only
Leachate Heavy Metals	-	-	-	Report Only
%Solids	-	-	-	Report Only
Paint Filter Test	-	-	-	Report Only
Fecal Coliform	-	-	-	Report Only
Manufacturing Restricted Substances List (MRSL)	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers	-	-	Comply	Report Only
Anti-Microbials & Biocides	-	-	Comply	-
Chlorinated Paraffins	-	-	Comply	-
Chlorobenzenes and Chlorotoluenes	-	-	Comply	Report Only
Chlorophenols	-	-	Comply	-
Dyes - Carcinogenic or Equivalent Concern	-	-	Comply	-
Dyes - Disperse (Sensitizing)	-	-	Comply	-
Dyes - Navy Blue Colorant	-	-	Comply	-
Flame Retardants	-	-	Comply	-
Glycols / Glycol Ethers	-	-	Comply	-
Halogenated Solvents	-	-	Comply	-
Organotin Compounds	-	-	Comply	-
Other / Miscellaneous Chemicals	-	-	Comply	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	-	-	Comply	-
Phthalates - Including all other esters of phthalic acid	-	-	Comply	-
Polycyclic Aromatic Hydrocarbons (PAHs)	-	-	Comply	Report Only
Restricted Aromatic Amines(Cleavable from Azo)	-	-	Comply	-
UV Absorbers	-	-	Comply	-
Volatile Organic Compounds (VOC)	-	-	Comply	-

Note: Aspirational = Fulfill Aspirational Limit
 Foundational = Fulfill Foundational Limit
 Comply = Comply with ZDHC Limit
 - = Not Tested

Progressive = Fulfill Progressive Limit
 Exceed = Exceed Foundational Limit
 Not Comply = Not Comply with ZDHC Limit

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Material List:

Field ID	Sample Type	Sample Description
D001	Discharge	Discharged Wastewater (Indirect Discharge)*
R001	Raw	Raw Wastewater*
S001	Sludge	Sludge (Type A)*

Notes:

- * **Discharge Wastewater:** Wastewater that is released from a supplier, either directly to the environment (including but not limited to: water bodies, land application/irrigation), or to a wastewater treatment system beyond the supplier's property boundaries.
- * **Direct Discharge:** A point source that discharges wastewater to stream, lakes, oceans, or other receiving bodies. Distribution of wastewater onto land is also considered a type of direct discharge. Municipal bodies and suppliers that introduce pollution through a defined conveyance or system such as outlet pipes are direct dischargers.
- * **Indirect Discharge:** The discharge of wastewater through a sanitary or industrial wastewater sewer system to a central or common effluent treatment plant (CETP) not owned and/ or operated by the supplier discharging the pollutants.
- * **Raw Wastewater: (Untreated Wastewater)** Wastewater that has not yet been treated prior to direct or indirect discharge, or recycling efforts. This wastewater therefore does not meet the quality standards for beneficial use.
- * **Sludge:** The solid or semi-solid material separated during the wastewater treatment process, including septic and Zero Liquid Discharge (ZLD) systems.
- * **Incoming Water:** Water that is supplied to a manufacturing process, usually withdrawn from surface water bodies, groundwater, collected from rainfall, supplied by municipalities, etc.
- Type A:** Offsite Incineration at > 1000°C.
- Type B:** Landfill with Significant Control Measures.
- Type C:** Building Products Processed at > 1000°C.
- Type D:** Landfill with Limited Control Measures.
- Type E:** Offsite Incineration and Building Products Processed at < 1000°C.
- Type F:** Landfill with No Control Measures.
- Type G:** Land Application.

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1.pH Value

					Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result	
pH Value	PH	HJ 962	NONE	NA	6.02	
Conclusion					Report Only	

Abbreviation: NA = Not Applicable

Remark:

The limits according to ZDHC limit (Table 3 & 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Wastewater Limit		
	Foundational	Progressive	Aspirational
pH Value	6-9		

Parameter	ZDHC Sludge Limit						
	A	B	C	D	E	F	G
Sludge Type							
pH Value	Report Only	Report Only	5-11	5-11	5-11	6.5-9	6.5-9

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2. Anion - Cyanide

					Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result	
Anion - Cyanide	57-12-5	HJ 745	mg/kg	10	< RL	
Conclusion					Report Only	

Abbreviation: < =less than
 RL =reporting limit
 mg/L = milligram per liter
 mg/kg = milligram per kilogram

Remark:

The limits according to ZDHC limit (Table 3 & 4A & 4D of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Limit for Wastewater (mg/L)		
	Foundational	Progressive	Aspirational
Anion - Cyanide	0.2	0.1	0.05

Parameter	ZDHC Sludge Limit (mg/kg)						
	A	B	C	D	E	F	G
Anion - Cyanide	Sample and Report only		100	85	70	70	70

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3.Heavy Metals

				Sample No.	D001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Arsenic (As)	Arsenic	US EPA 6020a	mg/L	0.001	< RL
Cadmium (Cd)	Cadmium	US EPA 6020a	mg/L	0.001	< RL
Chromium (Cr VI)	Chromium VI	GB 7467	mg/L	0.001	< RL
Lead (Pb)	Lead	US EPA 6020a	mg/L	0.001	< RL
Mercury (Hg)	Mercury	US EPA 6020a	mg/L	0.001	< RL
Conclusion					Fulfill Aspirational Limit

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Antimony (Sb)	Antimony	HJ 803	mg/kg	5	1629
Chromium (Cr, total)	Chromium Total	HJ 803	mg/kg	50	108
Cobalt (Co)	Cobalt	US EPA 7196	mg/kg	400	< RL
Copper (Cu)	Copper	HJ 803	mg/kg	50	< RL
Nickel (Ni)	Nickel	HJ 803	mg/kg	20	< RL
Silver (Ag)	Silver	US EPA 6020b	mg/kg	50	< RL
Zinc (Zn)	Zinc	HJ 803	mg/kg	400	< RL
Arsenic (As)	Arsenic	HJ 803	mg/kg	5	8
Cadmium (Cd)	Cadmium	HJ 803	mg/kg	1	< RL
Chromium (Cr VI)	Chromium VI	US EPA 7196	mg/kg	20	< RL
Lead (Pb)	Lead	HJ 803	mg/kg	5	< RL
Mercury (Hg)	Mercury	US EPA 6020b	mg/kg	1	< RL
Barium (Ba)	Barium	US EPA 6020b	mg/kg	200	< RL
Selenium (Se)	Selenium	US EPA 6020b	mg/kg	5	< RL
Conclusion					Report Only

Abbreviation: < =less than
 RL =reporting limit
 mg/L = milligram per liter
 mg/kg = milligram per kilogram

Remark:

The limits according to ZDHC limit (Table 2 & 4A & 4B of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Limit for Wastewater (mg/L)			ZDHC Limit for Sludge (mg/kg)		
	Foundational	Progressive	Aspirational	Disposal pathway A-F	Disposal pathway G	Total Metals Threshold Values**
Antimony (Sb)	0.1	0.05	0.01	Report only	Sample and report only	12
Chromium (Cr, total)	0.2	0.1	0.05		3000	100
Cobalt (Co)	0.05	0.02	0.01		Sample and report only	1600
Copper (Cu)	1	0.5	0.25		4300	200
Nickel (Ni)	0.2	0.1	0.05		420	70
Silver (Ag)	0.1	0.05	0.005		Sample and report only	100
Zinc (Zn)	5.0	1.0	0.5		7500	1000
Arsenic (As)	0.05	0.01	0.005		75	10
Cadmium (Cd)	0.1	0.05	0.01		85	3
Chromium (Cr VI)	0.05	0.005	0.001		50	50
Lead (Pb)	0.1	0.05	0.01		840	10
Mercury (Hg)	0.01	0.005	0.001		57	1
Barium (Ba)	Sample and report only				Sample and report only	700
Selenium (Se)	Sample and report only				100	10
Tin (Sn)	Sample and report only				NA	NA

* For polyester wet processing facilities Foundational, Progressive and Aspirational limits do not yet apply (unless required by law or voluntarily adopted).

** if the Total Metals for Sludge exceeded the Total Metals Threshold Values (mg/kg) given in this table, proceed with Leachate Heavy Metal.

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4. Leachate Heavy Metals

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Chromium (Cr, total)	Chromium Total	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	1	< RL
Antimony (Sb)	Antimony	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.5	< RL
Conclusion					Report Only

Abbreviation: < = less than
 RL = reporting limit
 mg/L = milligram per liter

Remark:

The limits according to ZDHC limit (Table 4B of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit (mg/L)						
	A	B	C	D	E	F	G
Sludge Type							
Arsenic (As)	Report Only if Required to Test		5	2.75	0.5	0.5	0.5
Cadmium (Cd)			1	0.58	0.15	0.15	0.15
Chromium (Cr, total)			15	10	5	5	5
Lead (Pb)			5	2.75	0.5	0.5	0.5
Antimony (Sb)			15	7.8	0.6	0.6	0.6
Barium (Ba)			100	67.5	35	35	35
Cobalt (Co)			80	80	80	80	80
Copper (Cu)			25	17.5	10	10	10
Nickel (Ni)			20	11.75	3.5	3.5	3.5
Selenium (Se)			1	0.75	0.5	0.5	0.5
Silver (Ag)			5	5	5	5	5
Zinc (Zn)			250	150	50	50	50
Chromium (Cr VI)			5	3.75	2.5	2.5	2.5
Mercury (Hg)	0.2	0.125	0.05	0.05	0.05		

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5.%Solids

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
%Solids	%Solids	HJ 613 at 105°C	%	NA	32.7
Conclusion					Report Only

Abbreviation: % = percentage
NA = Not Applicable

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit						
	A	B	C	D	E	F	G
Sludge Type							
%Solids	Sample and Report Only						

6.Paint Filter Test

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Paint Filter Test	Free Liquid	EPA 9095B	NA	NA	Not visible
Conclusion					Report Only

Abbreviation: NA = Not Applicable

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit						
	A	B	C	D	E	F	G
Sludge Type							
Paint Filter Test	Sample and Report Only			Pass Paint Filter Test			Sample and Report Only

7.Fecal Coliform

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Fecal Coliform	Fecal Coliform	EPA 1681	MPN/g	10	6.5*10
Conclusion					Report Only

Abbreviation: MPN/g = Most Probable Number per gram

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit (MPN/g)						
	A	B	C	D	E	F	G
Fecal Coliform	Sample and Report Only					1000	1000

8. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers

Parameter	Parameter Code	Test Method	Unit	Sample No.		R001
				RL	ZDHC Limit	Result
Nonylphenol (NP), mixed isomers	104-40-5 25154-52-3 11066-49-2 84852-15-3	ISO 18857-2	µg/L	5	5	< RL
Octylphenol (OP), mixed isomers	140-66-9 1806-26-4 27193-28-8	ISO 18857-2	µg/L	5	5	< RL
Nonylphenol ethoxylates (NPEO)	9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0	ISO 18254-1, ASTM D7065	µg/L	5	5	< RL
Octylphenol ethoxylates (OPEO)	9002-93-1 9036-19-5 68987-90-6	ISO 18254-1, ASTM D7065	µg/L	5	5	< RL
Conclusion						Comply

Parameter	Parameter Code	Test Method	Unit	Sample No.		S001
				RL	Result	
Nonylphenol (NP), mixed isomers	104-40-5 25154-52-3 11066-49-2 84852-15-3	ISO 18857-2	mg/kg	0.2		3.3
Octylphenol (OP), mixed isomers	140-66-9 1806-26-4 27193-28-8	ISO 18857-2	mg/kg	0.2		< RL
Nonylphenol ethoxylates (NPEO)	9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0	ISO 18254-1, ASTM D7065	mg/kg	0.2		< RL
Octylphenol ethoxylates (OPEO)	9002-93-1 9036-19-5 68987-90-6	ISO 18254-1, ASTM D7065	mg/kg	0.2		< RL
Conclusion						Report Only

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter
 mg/kg = milligram per kilogram

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Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit (mg/kg)						
	A	B	C	D	E	F	G
AP & APEOs	Sample and Report Only			0.4	0.4	0.4	0.4

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9. Anti-Microbials & Biocides

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
o-Phenylphenol (+Salts)	90-43-7	US EPA 8270E	µg/L	100	100	< RL
Triclosan	3380-34-5	US EPA 8270E	µg/L	100	100	< RL
Permethrin	Multiple	US EPA 8270E	µg/L	500	500	< RL
Conclusion						Comply

Abbreviation: < = less than
 RL =reporting limit
 µg/L = microgram per liter

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10.Chlorinated Paraffins

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	US EPA 3510, ISO 18219-2	µg/L	5	500	< RL
Short-chain Chlorinated paraffins (SCCPs) (C10-C13)	85535-84-8	US EPA 3510, ISO 18219-1	µg/L	5	25	< RL
Conclusion						Comply

Abbreviation: < = less than
 RL =reporting limit
 µg/L = microgram per liter

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11.Chlorobenzenes and Chlorotoluenes

						Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result	
1,2-Dichlorobenzene	95-50-1	US EPA 8260D, 8070E	µg/L	0.2	0.2	< RL	
Other isomers of mono, di-, tri-, tetra-, penta- and hexa- Chlorobenzene and mono, di- tri-, tetra- and penta-Chlorotoluene	Multiple	US EPA 8260D, 8070E	µg/L	0.2	0.2	< RL	
Conclusion							Comply

						Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result		
mono, di- tri-, tetra- and penta-Chlorotoluene	Multiple	HJ 605	mg/kg	0.1	< RL		
Conclusion							Report Only

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter
 mg/kg = milligram per kilogram

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit (mg/kg)						
	A	B	C	D	E	F	G
mono, di- tri-, tetra- and penta-Chlorotoluene	Sample and Report only			0.2	0.2	0.2	0.2

12.Chlorophenols

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
2-Chlorophenol	95-57-8	US EPA 8270E	µg/L	0.5	0.5	< RL
3-chlorophenol	108-43-0	US EPA 8270E	µg/L	0.5	0.5	< RL
4-chlorophenol	106-48-9	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3-Dichlorophenol	576-24-9	US EPA 8270E	µg/L	0.5	0.5	< RL
2,4-Dichlorophenol	120-83-2	US EPA 8270E	µg/L	0.5	0.5	< RL
2,5-Dichlorophenol	583-78-8	US EPA 8270E	µg/L	0.5	0.5	< RL
2,6-Dichlorophenol	87-65-0	US EPA 8270E	µg/L	0.5	0.5	< RL
3,4-Dichlorophenol	95-77-2	US EPA 8270E	µg/L	0.5	0.5	< RL
3,5- Dichlorophenol	591-35-5	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,4-Trichlorophenol	15950-66-0	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,5-Trichlorophenol	933-78-8	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,6-Trichlorophenol	933-75-5	US EPA 8270E	µg/L	0.5	0.5	< RL
2,4,5-Trichlorophenol	95-95-4	US EPA 8270E	µg/L	0.5	0.5	< RL
2,4,6-Trichlorophenol	88-06-2	US EPA 8270E	µg/L	0.5	0.5	< RL
3,4,5-Trichlorophenol	609-19-8	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,4,5-Tetrachlorophenol	4901-51-3	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,4,6-Tetrachlorophenol	58-90-2	US EPA 8270E	µg/L	0.5	0.5	< RL
2,3,5,6-Tetrachlorophenol	935-95-5	US EPA 8270E	µg/L	0.5	0.5	< RL
Pentachlorophenol	87-86-5	US EPA 8270E	µg/L	0.5	0.5	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

13.Dyes - Carcinogenic or Equivalent Concern

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
C.I. Direct Black 38	1937-37-7	ISO 16373	µg/L	500	500	< RL
C.I. Direct Blue 6	2602-46-2	ISO 16373	µg/L	500	500	< RL
C.I. Acid Red 26	3761-53-3	ISO 16373	µg/L	500	500	< RL
C.I. Basic Red 9	569-61-9	ISO 16373	µg/L	500	500	< RL
C.I. Direct Red 28	573-58-0	ISO 16373	µg/L	500	500	< RL
C.I. Basic Violet 14	632-99-5	ISO 16373	µg/L	500	500	< RL
C.I. Disperse Blue 1	2475-45-8	ISO 16373	µg/L	500	500	< RL
C.I. Disperse Blue 3	2475-46-9	ISO 16373	µg/L	500	500	< RL
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	ISO 16373	µg/L	500	500	< RL
C.I Basic Green 4 (malachite green chloride)	569-64-2	ISO 16373	µg/L	500	500	< RL
C.I Basic Green 4 (malachite green oxalate)	2437-29-8	ISO 16373	µg/L	500	500	< RL
C.I Basic Green 4 (malachite green)	10309-95-2	ISO 16373	µg/L	500	500	< RL
Disperse Orange 11	82-28-0	ISO 16373	µg/L	500	500	< RL
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	ISO 16373	µg/L	500	500	< RL
C.I. Acid Violet 49	1694-09-3	ISO 16373	µg/L	500	500	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

14.Dyes - Disperse (Sensitizing)

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Disperse Yellow 1	119-15-3	ISO 16373	µg/L	50	50	< RL
Disperse Blue 102	12222-97-8	ISO 16373	µg/L	50	50	< RL
Disperse Blue 106	12223-01-7	ISO 16373	µg/L	50	50	< RL
Disperse Yellow 39	12236-29-2	ISO 16373	µg/L	50	50	< RL
Disperse Orange 37/59/76	13301-61-6	ISO 16373	µg/L	50	50	< RL
Disperse Brown 1	23355-64-8	ISO 16373	µg/L	50	50	< RL
Disperse Orange 1	2581-69-3	ISO 16373	µg/L	50	50	< RL
Disperse Yellow 3	2832-40-8	ISO 16373	µg/L	50	50	< RL
Disperse Red 11	2872-48-2	ISO 16373	µg/L	50	50	< RL
Disperse Red 1	2872-52-8	ISO 16373	µg/L	50	50	< RL
Disperse Red 17	3179-89-3	ISO 16373	µg/L	50	50	< RL
Disperse Blue 7	3179-90-6	ISO 16373	µg/L	50	50	< RL
Disperse Blue 26	3860-63-7	ISO 16373	µg/L	50	50	< RL
Disperse Yellow 49	54824-37-2	ISO 16373	µg/L	50	50	< RL
Disperse Blue 35	12222-75-2	ISO 16373	µg/L	50	50	< RL
Disperse Blue 124	61951-51-7	ISO 16373	µg/L	50	50	< RL
Disperse Yellow 9	6373-73-5	ISO 16373	µg/L	50	50	< RL
Disperse Orange 3	730-40-5	ISO 16373	µg/L	50	50	< RL
Disperse Blue 35	56524-77-7	ISO 16373	µg/L	50	50	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

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15.Dyes - Navy Blue Colorant

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	ISO 16373	µg/L	500	500	< RL
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	ISO 16373	µg/L	500	500	< RL
Conclusion						Comply

Abbreviation: < = less than
 RL = reporting limit
 µg/L = microgram per liter

16.Flame Retardants

Parameter	Parameter Code	Test Method	Unit	Sample No.		R001 Result
				RL	ZDHC Limit	
Tris-(2-chloro-ethyl)-phosphate (TCEP)	115-96-8	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Decabromodiphenyl ether (DecaBDE)	1163-19-5	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tri-(2,3-di-bromo-propyl)-phosphate (TRIS)	126-72-7	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Octabromodiphenyl ether (OctaBDE)	32536-52-0	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Bis-(2,3-di-bromo-propyl)-phosphate (BIS)	5412-25-9	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tris(1-aziridinyl)phosphine oxide) (TEPA)	545-55-1	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Polybromobiphenyls (PBB)	59536-65-1	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tetra-bromo-bisphenol-A (TBBPA)	79-94-7	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Hexabromocyclododecane(HBCDD)	3194-55-6	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tris-(1,3-di-chloro-isopropyl)-phosphate (TDCP)	13674-87-8	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Decabromobiphenyl (DecaBB)	13654-09-6	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Dibromobiphenyls (DiBB)	Multiple	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Octabromobiphenyls (OctaBB)	Multiple	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tetrabromobisphenol A bis(dibromopropyl ether)	21850-44-2	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Monobromobiphenyls (MonoBB)	Multiple	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Monobromodiphenylethers Multiple (MonoBDEs)	Multiple	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Nonabromobiphenyls (NonaBB)	Multiple	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL

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Tribromodiphenylethers (TriBDEs)	Multiple	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	5	25	< RL
Boric acid	10043-35-3; 11113-50-1	EPA 6020a	µg/L	20	100	< RL
Diboron trioxide	1303-86-2	EPA 6020a	µg/L	20	100	< RL
Disodium octaborate	12008-41-2	EPA 6020a	µg/L	20	100	< RL
Disodium tetraborate anhydrous	1303-96-4; 1330-43-4	EPA 6020a	µg/L	20	100	< RL
Tetraboron disodium heptaoxide, hydrate	12267-73-1	EPA 6020a	µg/L	20	100	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

17. Glycols / Glycol Ethers

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Bis(2-methylethyl)ether	111-96-6	US EPA 8270E	µg/L	50	50	< RL
2-Ethoxyethanol	110-80-5	US EPA 8270E	µg/L	50	50	< RL
2-Ethoxyethyl acetate	111-15-9	US EPA 8270E	µg/L	50	50	< RL
Ethylene glycol dimethyl ether	110-71-4	US EPA 8270E	µg/L	50	50	< RL
2-Methoxyethanol	109-86-4	US EPA 8270E	µg/L	50	50	< RL
2-Methoxyethyl acetate	110-49-6	US EPA 8270E	µg/L	50	50	< RL
2-Methoxypropyl acetate	70657-70-4	US EPA 8270E	µg/L	50	50	< RL
Triethylene glycol dimethyl ether	112-49-2	US EPA 8270E	µg/L	50	50	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

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18. Halogenated Solvents

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
1,2-dichloroethane	107-06-2	US EPA 8260D	µg/L	1	1	< RL
Methylene chloride	75-09-2	US EPA 8260D	µg/L	1	1	< RL
Trichloroethylene	79-01-6	US EPA 8260D	µg/L	1	1	< RL
Tetrachloroethylene	127-18-4	US EPA 8260D	µg/L	1	1	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

19.Organotin Compounds

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Mono-,di-and tri-methyltin derivatives	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-butyltin derivatives	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-phenyltin derivatives	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-octyltin derivatives	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Dipropyltin compounds (DPT)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Tetrabutyltin compounds (TeBT)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Tripropyltin Compounds (TPT)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Tetraoctyltin compounds (TeOT)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Tricyclohexyltin (TCyHT)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Tetraethyltin Compounds (TeET)	Multiple	ISO 17353	µg/L	0.01	0.01	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

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20.Other / Miscellaneous Chemicals

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
AEAA [2-(2-aminoethylamino) ethanol]	111-41-1	Liquid extraction, LC-MS-MS	µg/L	500	500	< RL
Bisphenol A	80-05-7	Liquid extraction, LC-MS-MS	µg/L	10	10	< RL
Thiourea	62-56-6	Liquid extraction, LC-MS-MS	µg/L	50	50	< RL
Quinoline	91-22-5	Liquid extraction, LC-MS-MS	µg/L	50	50	< RL
Borate, zinc salt	12767-90-7	EPA 6020a	µg/L	50	100	B<RL,Zn<RL
Conclusion						Comply

Abbreviation: < = less than
 RL = reporting limit
 µg/L = microgram per liter

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21.Perfluorinated and Polyfluorinated Chemicals (PFCs)

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Perfluorooctane sulfonate (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Multiple	EPA 8270, PFCs: LC-MS-MS FTOH: GC-MS	µg/L	0.01	0.01	< RL
Perfluorooctanoic acid (PFOA) related substances	Multiple	EPA 8270, PFCs: LC-MS-MS FTOH: GC-MS	µg/L	1	1	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

22. Phthalates - Including all other esters of phthalic acid

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Di(ethylhexyl) phthalate (DEHP)	117-81-7	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-iso-decyl phthalate (DIDP)	26761-40-0	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-Isononyl Phthalate (DINP)	28553-12-0	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-n-butyl phthalate (DBP)	84-74-2	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Butyl benzyl phthalate (BBP)	85-68-7	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Dinonyl phthalate (DNP)	84-76-4	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Diethyl phthalate (DEP)	84-66-2	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-n-propyl phthalate (DPRP)	131-16-8	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-isobutyl phthalate (DIBP)	84-69-5	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-cyclohexyl phthalate (DCHP)	84-61-7	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-iso-octyl phthalate (DIOP)	27554-26-3	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4; 68515-50-4	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6; 84777-06-0	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Di-n-pentylphthalates	131-18-0	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Diisopentylphthalates	605-50-5	US EPA 8270E, ISO 18856	µg/L	10	10	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

23.Polycyclic Aromatic Hydrocarbons (PAHs)

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Benzo(a)pyrene	50-32-8	US EPA 8270E	µg/L	1	1	< RL
Anthracene	120-12-7	US EPA 8270E	µg/L	1	1	< RL
Pyrene	129-00-0	US EPA 8270E	µg/L	1	1	< RL
Benzo[ghi]perylene	191-24-2	US EPA 8270E	µg/L	1	1	< RL
Benzo(e)pyrene	192-97-2	US EPA 8270E	µg/L	1	1	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	US EPA 8270E	µg/L	1	1	< RL
Benzo(j)fluoranthene	205-82-3	US EPA 8270E	µg/L	1	1	< RL
Benzo[b]fluoranthene	205-99-2	US EPA 8270E	µg/L	1	1	< RL
Fluoranthene	206-44-0	US EPA 8270E	µg/L	1	1	< RL
Benzo[k]fluoranthene	207-08-9	US EPA 8270E	µg/L	1	1	< RL
Acenaphthylene	208-96-8	US EPA 8270E	µg/L	1	1	< RL
Chrysene	218-01-9	US EPA 8270E	µg/L	1	1	< RL
Dibenz(a,h)anthracene	53-70-3	US EPA 8270E	µg/L	1	1	< RL
Benzo[a]anthracene	56-55-3	US EPA 8270E	µg/L	1	1	< RL
Acenaphthene	83-32-9	US EPA 8270E	µg/L	1	1	< RL
Phenanthrene	85-01-8	US EPA 8270E	µg/L	1	1	< RL
Fluorene	86-73-7	US EPA 8270E	µg/L	1	1	< RL
Naphthalene	91-20-3	US EPA 8270E	µg/L	1	1	< RL
Conclusion						Comply

Parameter	Parameter Code	Test Method	Sample No.		S001
			Unit	RL	Result
Benzo(a)pyrene	50-32-8	HJ 805-2016	mg/kg	0.2	< RL
Anthracene	120-12-7	HJ 805-2016	mg/kg	0.2	< RL
Pyrene	129-00-0	HJ 805-2016	mg/kg	0.2	< RL
Benzo[ghi]perylene	191-24-2	HJ 805-2016	mg/kg	0.2	< RL
Benzo(e)pyrene	192-97-2	HJ 805-2016	mg/kg	0.2	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	HJ 805-2016	mg/kg	0.2	< RL
Benzo(j)fluoranthene	205-82-3	HJ 805-2016	mg/kg	0.2	< RL
Benzo[b]fluoranthene	205-99-2	HJ 805-2016	mg/kg	0.2	< RL
Fluoranthene	206-44-0	HJ 805-2016	mg/kg	0.2	< RL
Benzo[k]fluoranthene	207-08-9	HJ 805-2016	mg/kg	0.2	< RL
Acenaphthylene	208-96-8	HJ 805-2016	mg/kg	0.2	< RL
Chrysene	218-01-9	HJ 805-2016	mg/kg	0.2	< RL
Dibenz(a,h)anthracene	53-70-3	HJ 805-2016	mg/kg	0.2	< RL
Benzo[a]anthracene	56-55-3	HJ 805-2016	mg/kg	0.2	< RL
Acenaphthene	83-32-9	HJ 805-2016	mg/kg	0.2	< RL
Phenanthrene	85-01-8	HJ 805-2016	mg/kg	0.2	< RL
Fluorene	86-73-7	HJ 805-2016	mg/kg	0.2	< RL
Naphthalene	91-20-3	HJ 805-2016	mg/kg	0.2	< RL
Conclusion					Report Only

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter
 mg/kg = milligram per kilogram

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.1 issued in November 2022):

Parameter	ZDHC Sludge Limit (mg/kg)						
	A	B	C	D	E	F	G
Sludge Type							
PAHs	Sample and Report only			0.2	0.2	0.2	0.2

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24.Restricted Aromatic Amines(Cleavable from Azo)

Parameter	Parameter Code	Test Method	Unit	Sample No.		R001 Result
				RL	ZDHC Limit	
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4,4'-diaminodiphenylmethane	101-77-9	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4,4'-oxydianiline	101-80-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-chloroaniline	106-47-8	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
3,3'-Dimethoxybenzidine	119-90-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
3,3'-Dimethylbenzidine	119-93-7	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
6-Methoxy-m-toluidine	120-71-8	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2,4,5-trimethylaniline	137-17-7	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4,4'-Thiodianiline	139-65-1	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-aminoazobenzene	60-09-03	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL

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4-methoxy-m-phenylenediamine	615-05-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4,4'-Methylenedi-o-toluidine	838-88-0	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2,6-xylydine	87-62-7	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
o-anisidine	90-04-0	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2-naphthylamine	91-59-8	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
3,3'-Dichlorobenzidine	91-94-1	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-Aminobiphenyl	92-67-1	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
benzidine	92-87-5	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
o-toluidine	95-53-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2,4-xylydine	95-68-1	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-chloro-o-toluidine	95-69-2	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL

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4-methyl-m-phenylenediamine	95-80-7	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
o-Aminoazotoluene	97-56-3	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
5-nitro-o-toluidine	99-55-8	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-chloro-o-toluidinium chloride	3165-93-3	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2-Naphthylammonium acetate	553-00-4	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
4-methoxy-m-phenylene diammonium sulphate	39156-41-7	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
2,4,5-trimethylaniline hydrochloride	21436-97-5	Reduction, EPA 8270 and ISO 14362-1 and ISO 14362-3 (if needed) GC/MS and LC/ MS/MS	µg/L	0.1	0.1	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

25.UV Absorbers

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	100	100	< RL
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	100	100	< RL
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	100	100	< RL
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	100	100	< RL
Conclusion						Comply

Abbreviation: < = less than
 RL = reporting limit
 µg/L = microgram per liter

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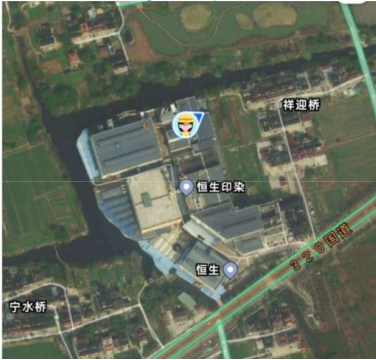
26.Volatile Organic Compounds (VOC)

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Benzene	71-43-2	ISO 11423-1	µg/L	1	1	< RL
Xylene	1330-20-7	ISO 11423-1	µg/L	1	1	< RL
o-cresol	95-48-7	ISO 11423-1	µg/L	1	1	< RL
p-cresol	106-44-5	ISO 11423-1	µg/L	1	1	< RL
m-cresol	108-39-4	ISO 11423-1	µg/L	1	1	< RL
Conclusion						Comply

Abbreviation: < =less than
 RL =reporting limit
 µg/L = microgram per liter

Sampling Photo

Discharged Wastewater: 30.481607, 120.376203
Raw Wastewater: 30.482178, 120.375869
Sludge: 30.483484, 120.374851
Incoming water: 30.48334, 120.372293



GPS Map



Factory Gate



Factory Layout



Factory Other Photo



Factory Other Photo



Discharge Wastewater

Sampling Photo



Discharge Wastewater



Raw Wastewater



Raw Wastewater



Sludge



Sludge



Incoming Water

Sampling Photo



Incoming Water

- END -

