

Test Report No.: 244461349a 001

Page 1 of 40

Client: **RICHLAND (LIAONING) INT'L CO., LTD.**
 Liaoning Textile Building No. 35 Renmin Road, Dalian, Liaoning, P.R.China
 Contact Person: Wang Yuanfang

Buyer's Name : -

Factory Details

Factory Name : DALIAN HONGYANG GARMENT WASHING CO., LTD
 Factory Address : Dalian Pulandian District Yangshufang Town Yangshufang Village
 (with geographical coordinates)
 On-site ETP : Y
 Discharge Type of Wastewater : Indirect Discharge
 Destination of Wastewater : Dalian Pulandian District Sewage Treatment

For Indirect discharge

Name of public wastewater treatment plants (CETP) : Dalian Pulandian District Sewage Treatment
 Address of public wastewater treatment plants (CETP) : Pikou, Pulandian District, Dalian

Sampling Details

Sampling Date : 2022-11-18
 Sample Receiving Date : 2022-11-21
 Testing Period : 2022-11-21 to 2022-12-05
 Sampling Method:

Sample Type	Total Volume	1	2	3	4	5	6
Discharged Wastewater	1L	9:30	10:30	11:30	12:30	13:30	14:30
Raw Wastewater	15L	9:00	10:00	11:00	12:00	13:00	14:00
Incoming Water	4L	11:10	-	-	-	-	-
Sludge	1 Bottle	11:15	-	-	-	-	-

Overall Rating	Discharged Wastewater	Raw Wastewater	Sludge
Conventional Parameters / Anion / Metals	Fulfill Aspirational Limit	Not Tested	Not Comply
MRSL Parameters	Not Tested	Comply	Comply
Legal Compliance	Comply	Not Tested	Not Tested
Specifications	ZDHC Wastewater Guidelines Version 2.0 (July 2022) GB 4287-2012 (Regulatory Requirement Listed in APPENDIX A)		

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



2022-12-06 Carmen Yan / Department Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. 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.

Test Report No.: 244461349a 001

Page 2 of 40

Result Summary:

Conventional Parameters	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
pH value	-	-	-	Comply
Anion - Cyanide	-	-	-	Comply
Heavy Metals	-	Aspirational	-	Not Comply
Leachate Heavy Metals	-	-	-	Not Comply
%Solid	-	-	-	Report Only
Paint Filter Test	-	-	-	Not Comply
Fecal Coliform	-	-	-	Report Only
Manufacturing Restricted Substances List (MRSL)	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)	-	-	Comply	Comply
Anti-Microbials & Biocides	-	-	Comply	-
Chlorinated Paraffins	-	-	Comply	-
Chlorobenzenes and Chlorotoluenes	-	-	Comply	Comply
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	Comply
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

Material List:

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

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.
- * **Incoming Water:** Water that is supplied to a manufacturing process, usually withdrawn from surface water bodies, groundwater, collected from rainfall, supplied by municipalities, etc.
- * **Sludge:** The solid or semi-solid material separated during the wastewater treatment process, including septic and Zero Liquid Discharge (ZLD) systems.
- 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.

Test Report No.: 244461349a 001

Page 4 of 40

Test Results:**1. pH Value**

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
pH Value	PH	HJ 962	NONE	NA	7.72
Conclusion				--	Comply

Abbreviation: NA = Not Applicable**Remark:**

The limits according to ZDHC limit (Table 3 & 4C of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

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

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

Test Report No.: 244461349a 001

Page 5 of 40

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				--	Comply

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 of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

Parameter	ZDHC Limit for Wastewater (mg/L)			ZDHC Limit (mg/kg)
	Foundational	Progressive	Aspirational	Sludge
Anion - Cyanide	0.2	0.1	0.05	20

Test Report No.: 244461349a 001

Page 6 of 40

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	1	5.8
Chromium (Cr, total)	Chromium Total	HJ 803	mg/kg	1	261.9
Cobalt (Co)	Cobalt	US EPA 7196	mg/kg	1	6.8
Copper (Cu)	Copper	HJ 803	mg/kg	1	145.4
Nickel (Ni)	Nickel	HJ 803	mg/kg	1	75.6
Silver (Ag)	Silver	US EPA 6020b	mg/kg	1	3.8
Zinc (Zn)	Zinc	HJ 803	mg/kg	1	505.9
Arsenic (As)	Arsenic	HJ 803	mg/kg	1	16.5
Cadmium (Cd)	Cadmium	HJ 803	mg/kg	1	< RL
Chromium (Cr VI)	Chromium VI	US EPA 7196	mg/kg	1	< RL
Lead (Pb)	Lead	HJ 803	mg/kg	1	27.7
Mercury (Hg)	Mercury	US EPA 6020b	mg/kg	0.1	13.1
Barium (Ba)	Barium	US EPA 6020b	mg/kg	1	580.6
Selenium (Se)	Selenium	US EPA 6020b	mg/kg	1	2.9
Conclusion				--	Not Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 7 of 40

Remark:

The limits according to ZDHC limit (Table 2 & 4A & 4B of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

Parameter	ZDHC Limit for Wastewater (mg/L)			ZDHC Limit for Sludge (mg/kg)	
	Foundational	Progressive	Aspirational	Disposal pathway A-F	Disposal pathway G
Antimony (Sb)	0.1	0.05	0.01	5	Sample and report only
Chromium (Cr, total)	0.2	0.1	0.05	50	3000
Cobalt (Co)	0.05	0.02	0.01	400	Sample and report only
Copper (Cu)	1	0.5	0.25	50	4300
Nickel (Ni)	0.2	0.1	0.05	20	420
Silver (Ag)	0.1	0.05	0.005	50	Sample and report only
Zinc (Zn)	5.0	1.0	0.5	400	7500
Arsenic (As)	0.05	0.01	0.005	5	75
Cadmium (Cd)	0.1	0.05	0.01	1	85
Chromium (Cr VI)	0.05	0.005	0.001	20	50
Lead (Pb)	0.1	0.05	0.01	5	840
Mercury (Hg)	0.01	0.005	0.001	1	57
Barium (Ba)	Sample and report only			200	Sample and report only
Selenium (Se)	Sample and report only			5	100
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).

Test Report No.: 244461349a 001

Page 8 of 40

4. Leachate Heavy Metals

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Arsenic (As)	Arsenic	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.5	< RL
Cadmium (Cd)	Cadmium	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.15	< RL
Chromium (Cr, total)	Chromium Total	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	1	< RL
Lead (Pb)	Lead	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.5	< RL
Antimony (Sb)	Antimony	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.5	< RL
Barium (Ba)	Barium	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	10	72.3
Cobalt (Co)	Cobalt	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	10	< RL
Copper (Cu)	Copper	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	1	< RL
Nickel (Ni)	Nickel	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	1	2.4
Selenium (Se)	Selenium	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	0.5	< RL
Silver (Ag)	Silver	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	1	< RL
Zinc (Zn)	Zinc	US EPA 1311, US EPA 3051A, US EPA 200.8	mg/L	10	108.2
Chromium (Cr VI)	Chromium VI	US EPA 1311, US EPA 7196	mg/L	2	< RL
Mercury (Hg)	Mercury	US EPA 1311, US EPA 3051A, US EPA 6020B	mg/L	0.05	< RL
Conclusion				--	Not Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 9 of 40

Remark:

The limits according to ZDHC limit (Table 4B of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

Parameter	ZDHC Sludge Limit (mg/L)						
Sludge Type	A	B	C	D	E	F	G
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

Test Report No.: 244461349a 001

Page 10 of 40

5. %Solids

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
%Solids	%Solids	HJ 613 at 105°C	%	NA	24
Conclusion				--	Report Only

Abbreviation: % = percentage
 NA = Not Applicable

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

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

Test Report No.: 244461349a 001

Page 11 of 40

6. Paint Filter Test

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Paint Filter Test	Free Liquid	EPA 9095B	NA	NA	Visible
Conclusion				--	Not Comply

Abbreviation: NA = Not Applicable**Remark:**

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.0 issued in July 2022):

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

Test Report No.: 244461349a 001

Page 12 of 40

7. Fecal Coliform

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Fecal Coliform	Fecal Coliform	EPA 1681	MPN/g	10	794.3
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 2.0 issued in July 2022):

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

Test Report No.: 244461349a 001

Page 13 of 40

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

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	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

					Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	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	< RL	
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				--	Comply	

Abbreviation:

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

Test Report No.: 244461349a 001

Page 14 of 40

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.0 issued in July 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

Test Report No.: 244461349a 001

Page 15 of 40

9. Anti-Microbials & Biocides

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 16 of 40

10. Chlorinated Paraffins

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

Abbreviation:

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

Test Report No.: 244461349a 001

Page 17 of 40

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					Comply	

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 2.0 issued in July 2022):

Parameter	ZDHC Sludge Limit (mg/kg)						
Sludge Type	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

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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:

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 µg/L = microgram per liter

Test Report No.: 244461349a 001

Page 19 of 40

13. Dyes – Carcinogenic or Equivalent Concern

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 20 of 40

14. Dyes – Disperse (Sensitizing)

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 21 of 40

15. Dyes – Navy Blue Colorant

Sample No.						R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
Component 1: C ₃₉ H ₂₃ Cl-CrN ₇ O ₁₂ S 2Na	118685-33-9	ISO 16373	µg/L	500	500	< RL
Component 2: C ₄₆ H-30CrN ₁₀ O ₂₀ S ₂ 3Na	Not Allocated	ISO 16373	µg/L	500	500	< RL
Conclusion					--	Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 22 of 40

16. Flame Retardants

Parameter	Parameter Code	Test Method	Unit	Sample No.		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
Hexabromocyclododecan (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-iso-propyl)-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

Test Report No.: 244461349a 001

Page 23 of 40

Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	5	25	< RL
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	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	20	100	< RL
Diboron trioxide	1303-86-2	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	20	100	< RL
Disodium octaborate	12008-41-2	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	20	100	< RL
Disodium tetraborate anhydrous	1303-96-4; 1330-43-4	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	20	100	< RL
Tetraboron disodium heptaoxide, hydrate	12267-73-1	US EPA 8270, ISO 22032, US EPA 527, US EPA 8321B	µg/L	20	100	< RL
Conclusion					--	Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 24 of 40

17. Glycols / Glycol Ethers

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 25 of 40

18. Halogenated Solvents

Sample No.						R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 26 of 40

19. Organotin Compounds

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 27 of 40

20. Other / Miscellaneous Chemicals

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
AEEA [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	< RL
Conclusion					--	Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 28 of 40

21. Perfluorinated and Polyfluorinated Chemicals (PFCs)

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

Test Report No.: 244461349a 001

Page 29 of 40

22. Phthalates – Including all other esters of phthalic acid

				Sample No.		R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 30 of 40

23. Polycyclic Aromatic Hydrocarbons (PAHs)

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 31 of 40

Sample No.					S001
Parameter	Parameter Code	Test Method	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					Comply

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 2.0 issued in July 2022):

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

Test Report No.: 244461349a 001

Page 32 of 40

24. Restricted Aromatic Amines(Cleavable from Azo)

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4,4'-Diaminodiphenylmethane	101-77-9	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4,4'-Oxydianiline	101-80-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-Chloroaniline	106-47-8	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
3,3'-Dimethoxybenzidine	119-90-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
3,3'-Dimethylbenzidine	119-93-7	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
6-methoxy-m-toluidine	120-71-8	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2,4,5-Trimethylaniline	137-17-7	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4,4'-Thiodianiline	139-65-1	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-Aminoazobenzene	60-09-3	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-Methoxy-m-phenylenediamine	615-05-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4,4'-methylenedi-o-toluidine	838-88-0	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2,6-Xylidine	87-62-7	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
o-Anisidine	90-04-0	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2-Naphthylamine	91-59-8	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
3,3'-Dichlorobenzidine	91-94-1	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-Aminobiphenyl	92-67-1	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
Benzidine	92-87-5	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
o-Toluidine	95-53-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2,4-Xylidine	95-68-1	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-Chloro-o-toluidine	95-69-2	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-methyl-m-phenylenediamine	95-80-7	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
o-Aminoazotoluene	97-56-3	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
5-Nitro-o-toluidine	99-55-8	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-chloro-o-toluidinium chloride	3165-93-3	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2-Naphthylammonium acetate	553-00-4	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
4-methoxy-m-phenylene diammonium sulphate	39156-41-7	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
2,4,5-trimethylaniline hydrochloride	21436-97-5	Reduction, EPA 8270	µg/L	0.1	0.1	< RL
Conclusion					--	Comply

Abbreviation:

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

Test Report No.: 244461349a 001

Page 33 of 40

25. UV Absorbers

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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

Test Report No.: 244461349a 001

Page 34 of 40

26. Volatile Organic Compounds (VOC)

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	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 Point Indication (Map)

GPS Data:

Discharged Wastewater: 39.39571, 122.242653

Raw Wastewater: 39.39571, 122.242653

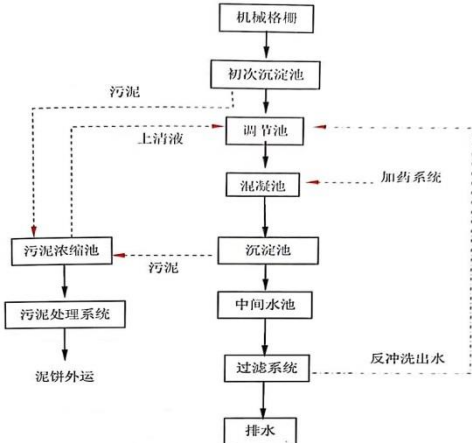
Sludge: 39.39571, 122.242653

Incoming water: 39.39571, 122.242653



Test Report No.: 244461349a 001	Page 36 of 40
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Sampling Photo

<p>Factory Gate</p> 	<p>Factory Layout</p> 
<p>Factory Other Photo</p> 	<p>Factory Other Photo</p> 

Test Report No.: 244461349a 001

Page 37 of 40

Discharged Wastewater



Discharged Wastewater







Raw Wastewater



Raw Wastewater



Test Report No.: 244461349a 001	Page 38 of 40
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Sludge	Sludge
	
Incoming Water	Incoming Water
	

APPENDIX A

Regulatory Requirement

表2 新建企业水污染物排放浓度限值及单位产品基准排水量

单位: mg/L (pH 值, 色度除外)

序号	污染物项目	限值		污染物排放监控位置
		直接排放	间接排放	
1	pH 值	6~9	6~9	企业废水总排放口
2	化学需氧量(COD _{Cr})	80	200	
3	五日生化需氧量	20	50	
4	悬浮物	50	100	
5	色度	50	80	
6	氨氮	10 15 ⁽¹⁾	20 30 ⁽¹⁾	
7	总氮	15 25 ⁽¹⁾	30 50 ⁽¹⁾	
8	总磷	0.5	1.5	
9	二氧化氯	0.5	0.5	
10	可吸附有机卤素 (AOX)	12	12	
11	硫化物	0.5	0.5	
12	苯胺类	不得检出	不得检出	
13	六价铬	不得检出		车间或生产设施废水排放口
单位产品 基准排水 量 (m ³ /t 标准品) 2)	棉、麻、化纤及混纺机织物	140		排水量计量位置与污染物排 放监控位置相同
	真丝绸机织物 (含练白)	300		
	纱线、针织物	85		
	精梳毛织物	500		
	粗梳毛织物	575		
注: (1) 蜡染行业执行该限值。				
(2) 当产品不同时, 可按FZ/T 01002-2010进行换算。				

- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

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