

Test Report No.: 326106979a 001

Client: HU ZHOU GOLD STALLION DYEING ANA PRINTING INDUSTRIAL CO.,LTD.
NO.20 Nanxun Economic Development Zone,Nanxun,Huzhou,Zhejiang

Buyer's Name : -

Factory Details

Factory Name : Hu Zhou Gold Stallion Dyeing Ana Printing Industrial Co.,LTD.
Factory Address (with geographical coordinates) : NO.20 Nanxun Economic Development Zone,Nanxun,Huzhou,Zhejiang
On-site ETP : Y
Discharge Type of Wastewater : Indirect discharge(with sludge)
Destination of Wastewater : Huzhou Nanxun Town Xun Sewage Treatment Co., LTD

For Indirect discharge

Name of public wastewater treatment plants(CETP) : Huzhou Nanxun Town Xun Sewage Treatment Co., LTD
Address of public wastewater treatment plants(CETP) : No. 18, Fengshun Road, Nanxun District, Huzhou City

Sampling Details

Sampling Date : 2025-04-29
Sample Receiving Date : 2025-05-07
Testing Period : 2025-05-07 to 2025-05-19
Parameter(s) exceeded maximum holding time : No
Sampling Method:

Sample Type	Total Volume	1	2	3	4	5	6	7
Discharged Wastewater	1.2L	10:30	11:30	12:30	13:30	14:30	15:30	16:30
Raw Wastewater	15.2L	10:20	11:20	12:20	13:20	14:20	15:20	16:20
Incoming Water	5L	10:42	-	-	-	-	-	-
Sludge	5.5L	10:10	-	-	-	-	-	-

Overall Rating	Discharged Wastewater	Raw Wastewater	Sludge
Conventional Parameters / Anion / Metals	Fulfill Aspirational Limit	Not Tested	Report Only
MRSL Parameters	Not Tested	Comply	Report Only
Legal Compliance	Not Tested	Not Tested	Not Tested
Specifications	ZDHC Wastewater Guidelines Version 2.2 (September 2024)		

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



2025-05-20

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.

Test Report No.: 326106979a 001

Page 2 of 47

Result Summary :

Conventional Parameters	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
Heavy Metals	-	Aspirational	-	-
%Solids	-	-	-	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	-
Dimethyl Formamide (DMFa)	-	-	Comply	-
Dyes - Carcinogenic or Equivalent Concern	-	-	Comply	-
Dyes - Disperse (Sensitizing)	-	-	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

Test Report No.: 326106979a 001

Page 3 of 47

Material List:

Field ID	Sample Type	Sample Description
D001	Discharge	Discharge Wastewater (Indirect Wastewater)*
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:** On-site or off-site 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 for a specific purpose in approved areas.

Test Report No.: 326106979a 001

Page 4 of 47

1. 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	ISO 17294-2	mg/L	0.001	< RL
Conclusion					Fulfill Aspirational Limit

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

Test Report No.: 326106979a 001

Page 5 of 47

Remark:

The limits according to ZDHC limit (Table 2 & 4B of ZDHC Wastewater Guidelines Version 2.2 issued in September 2024):

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	NA	12
Chromium (Cr, total)	0.2	0.1	0.05		1200	100
Cobalt (Co)	0.05	0.02	0.01		NA	1600
Copper (Cu)	1	0.5	0.25		1500	200
Nickel (Ni)	0.2	0.1	0.05		420	70
Silver (Ag)	0.1	0.05	0.005		NA	100
Zinc (Zn)	5.0	1.0	0.5		2800	1000
Arsenic (As)	0.05	0.01	0.005		41	10
Cadmium (Cd)	0.1	0.05	0.01		39	3
Chromium (Cr VI)	0.05	0.005	0.001		50	50
Lead (Pb)	0.1	0.05	0.01		400	10
Mercury (Hg)	0.01	0.005	0.001		17	1
Barium (Ba)	Sample and report only				500	700
Selenium (Se)	Sample and report only				36	10
Tin (Sn)	Sample and report only				NA	NA

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

2.%Solids

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
%Solids	%Solids	HJ 613 at 105°C	%	NA	26.0
Conclusion					Report Only

Abbreviation: % = percentage
NA = Not Applicable

Remark:

The limits according to ZDHC limit (Table 4C of ZDHC Wastewater Guidelines Version 2.2 issued in September 2024):

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

Test Report No.: 326106979a 001

Page 7 of 47

3. 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	Multiple Including 104-40-5 25154-52-3 11066-49-2 84852-15-3	ISO 18857-2	µg/L	5	5	< RL
Octylphenol (OP), mixed isomers	Multiple Including 140-66-9 1806-26-4 27193-28-8	ISO 18857-2	µg/L	5	5	< RL
Nonylphenol ethoxylates (NPEO)	Multiple Including 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)	Multiple Including 9002-93-1 9036-19-5 68987-90-6	ISO 18254-1, ASTM D7065	µg/L	5	5	< RL
Conclusion						Comply

Test Report No.: 326106979a 001

Page 8 of 47

				Sample No.	S001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Nonylphenol (NP), mixed isomers	Multiple Including 104-40-5 25154-52-3 11066-49-2 84852-15-3	ISO 18857-2	mg/kg	0.2	< RL
Octylphenol (OP), mixed isomers	Multiple Including 140-66-9 1806-26-4 27193-28-8	ISO 18857-2	mg/kg	0.2	< RL
Nonylphenol ethoxylates (NPEO)	Multiple Including 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)	Multiple Including 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

Remark:

The limits according to ZDHC limit (Table 4A of ZDHC Wastewater Guidelines Version 2.2 issued in September 2024):

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

Test Report No.: 326106979a 001

Page 9 of 47

4. Anti-Microbials & Biocides

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
o-Phenylphenol (+Salts)	90-43-7	MS_0023187_en 2020-09 modified	µg/L	100	100	< RL
Triclosan	3380-34-5	US EPA 8270E	µg/L	100	100	< RL
Permethrin	Multiple including 52645-53-1	US EPA 8270E	µg/L	500	500	< RL
Conclusion						Comply

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

Test Report No.: 326106979a 001

Page 10 of 47

5.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	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

Test Report No.: 326106979a 001

Page 11 of 47

6.Chlorobenzenes and Chlorotoluenes

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
1,2-Dichlorobenzene	95-50-1	GB/T 20384-2006 modified	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 including 108-90-7,541-73-1,106-46-7,87-61-6,120-82-1,108-70-3,634-66-2,634-90-2,95-94-3,608-93-5,118-74-1,95-49-8,108-41-8,106-43-4,32768-54-0,95-73-8,19398-61-9,118-69-4,95-75-0,25186-47-4,7359-72-0,2077-46-5,6639-30-1,23749-65-7,21472-86-6,1006-32-2,875-40-1,1006-31-1,877-11-2	GB/T 20384-2006 modified	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 2.2 issued in September 2024):

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

Test Report No.: 326106979a 001

Page 13 of 47

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

Test Report No.: 326106979a 001

Page 14 of 47

8. Dimethyl Formamide (DMFa)

Sample No.						R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
Dimethyl formamide (DMFa) *	68-12-2	US EPA 8215, 8270E	µg/L	1000	1000	< RL
Conclusion						Comply

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

Test Report No.: 326106979a 001

Page 15 of 47

9.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.: 326106979a 001

Page 16 of 47

10.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.: 326106979a 001

Page 17 of 47

11.Flame Retardants

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
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 (BDBPP)	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-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
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	US EPA 8270, ISO 22032, US EPA 527,US EPA 8321B	µg/L	5	25	< RL

Test Report No.: 326106979a 001

Page 18 of 47

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	500	< RL
Diboron trioxide *	1303-86-2	EPA 6020a	µg/L	20	500	< RL
Disodium octaborate *	12008-41-2	EPA 6020a	µg/L	20	500	< RL
Disodium tetraborate anhydrous *	1303-96-4; 1330-43-4	EPA 6020a	µg/L	20	500	< RL
Tetraboron disodium heptaoxide, hydrate *	12267-73-1	EPA 6020a	µg/L	20	500	< RL
Conclusion						Comply

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

Remark:

* Borate salts are determined as total boron via ICP. Limit refers to boron, not the salt.

Test Report No.: 326106979a 001

Page 19 of 47

12.Glycols / Glycol Ethers

Parameter	Parameter Code	Test Method	Unit	RL	Sample No.	R001
					ZDHC Limit	Result
Bis(2-methylethyl)ether	111-96-6	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
2-Ethoxyethanol	110-80-5	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
2-Ethoxyethyl acetate	111-15-9	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
Ethylene glycol dimethyl ether	110-71-4	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
2-Methoxyethanol	109-86-4	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
2-Methoxyethyl acetate	110-49-6	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
2-Methoxypropyl acetate	70657-70-4	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
Triethylene glycol dimethyl ether	112-49-2	EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 modified	µg/L	50	50	< RL
Conclusion						Comply

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

Test Report No.: 326106979a 001

Page 20 of 47

13.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.: 326106979a 001

Page 21 of 47

14.Organotin Compounds

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
Mono-,di-and tri-methyltin derivatives	Multiple including 993-16-8 753-73-1 1066-45-1	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-butyltin derivatives	Multiple including 1118-46-3 1461-22-9	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-phenyltin derivatives	Multiple including 1124-19-2 1135-99-5 639-58-7	ISO 17353	µg/L	0.01	0.01	< RL
Mono-,di-and tri-octyltin derivatives	Multiple including 3091-25-6 3542-36-7 2587-76-0	ISO 17353	µg/L	0.01	0.01	< RL
Dipropyltin compounds (DPT)	Multiple including 867-36-7	ISO 17353	µg/L	0.01	0.01	< RL
Tetrabutyltin compounds (TeBT)	Multiple including 1461-25-2	ISO 17353	µg/L	0.01	0.01	< RL
Tripropyltin Compounds (TPT)	Multiple including 2279-76-7	ISO 17353	µg/L	0.01	0.01	< RL
Tetraoctyltin compounds (TeOT)	Multiple including 3590-84-9	ISO 17353	µg/L	0.01	0.01	< RL
Tricyclohexyltin (TCyHT)	Multiple including 3091-32-5	ISO 17353	µg/L	0.01	0.01	< RL
Tetraethyltin Compounds (TeET)	Multiple including 597-64-8	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.: 326106979a 001

Page 22 of 47

15.Other / Miscellaneous Chemicals

					Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	ZDHC Limit	Result
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	GB 31604.10-2016 modified	µg/L	500	500	< RL
Bisphenol A	80-05-7	GB 31604.10-2016 modified	µg/L	10	10	< RL
Thiourea	62-56-6	GB 31604.10-2016 modified	µg/L	50	50	< RL
Quinoline	91-22-5	GB 31604.10-2016 modified	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

Remark:

- * Borate, zinc salt is determined as total boron and total zinc via ICP. Limit refers to boron and zinc individually, not the salt.

Test Report No.: 326106979a 001

Page 23 of 47

16.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 including 1763-23-1	EPA 8270, PFCs: LC-MS-MS FTOH: GC-MS	µg/L	0.01	0.01	< RL
Perfluorooctanoic acid (PFOA) and related substances	Multiple including 335-67-1	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.: 326106979a 001

Page 24 of 47

17. 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 linear alkyl 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.: 326106979a 001

Page 25 of 47

18. 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.: 326106979a 001

Page 26 of 47

				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	0.7
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 2.2 issued in September 2024):

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.: 326106979a 001

Page 27 of 47

19.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 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

Test Report No.: 326106979a 001

Page 28 of 47

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

Test Report No.: 326106979a 001

Page 29 of 47

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

Test Report No.: 326106979a 001

Page 30 of 47

20.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.: 326106979a 001

Page 31 of 47

21. 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
Toluene*	108-88-3	ISO 11423-1	µg/L	1	1	< RL
Conclusion						Comply

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

Wastewater Sampling Report for ZDHC WWG

ZDHC WWG 废水采样报告

ZDHC Wastewater Guidelines Version 2.2 (Sep. 2024)

ZDHC Wastewater and Sludge SAP Version 2.1 (Nov. 2022)

Client 客户:	-
Buyer's Name 买家名称:	-
Test item(s) 测试项目:	ZDHC Wastewater
Factory Name 工厂名称:	湖州金騷印染实业有限公司
Factory Address 工厂地址:	浙江省湖州市南浔经济开发区华侨投资园区 20 号地块
Discharge Type of Wastewater: 废水排放类型	Indirect discharge (with sludge) 间接排放有污泥
On-site ETP 在线废水处理装置	Yes 是
Sampling Date 采样日期:	2025 年 04 月 29 日
Sampling Location 采样点:	Incoming water (进水) Discharged Wastewater (排放废水) Raw Wastewater (原废水) Sludge (污泥) (Ref to the location map attached 参考采样点地图)
Sampling Person 采样人员:	Zhiwei Wang
ZDHC Sampler Accreditation Certification Number 采样员证书编号:	ZDHC-A-23-E-C001068-R2F72-1346C
TUV Sales 莱茵销售支持:	Kiven Han 180 1830 1068
Sampling Field Contact: 采样现场联系方式	Name (联系人): 柴毓烂 Phone (电话): 13706720148

Order No. 项目编号 : 326106979 (Sampling Report)

Sampling Preparation Checklist 采样准备检查表

Checked By 审核人: Kevin. Shi Date 日期: 2025.04.29

Equipment list 设备列表	Check 核查	Equipment list 设备列表	Check 核查
Sampling equipment 采样设备		Buffer 缓冲液	N
Sampling rod 采样杆	Y	pH meter pH 计	Y
Depth sampler with temperature meter 带温度计取样器	Y	Temperature meter 温度计	Y
Disposable gloves 一次性手套	Y	DO meter 溶氧仪	N
2L amber glass bottle 2L 棕色玻璃瓶	Y	Total Chloride meter 总氯测试仪	N
1L amber glass bottle 1L 棕色玻璃瓶	Y	Quality control samples 质控样	
100mL amber glass bottle 100mL 棕色玻璃瓶	Y	Field blanks 现场空白	Y
500mL amber glass bottle 500mL 棕色玻璃瓶	Y	Transport/equipment blanks 运输/设备空白	Y
250mL amber glass bottle 250mL 棕色玻璃瓶	Y	Sample storage and transport 样品储存和运输	
100ml PE bottle 100mL 聚乙烯瓶	Y	Blue Ice 蓝冰	Y
500mL PE bottle 500mL 聚乙烯瓶	Y	Packing material 包装材料	Y
40mL amber VOA vial 40mL 棕色 VOA 小瓶	Y	Container 样品存放容器	Y
Aseptic bag 无菌袋	N	Safety equipment 安全装备	
PE bag 聚乙烯袋	N	First-aid kit 急救箱	N
Labels for samples 样品标签	Y	Drinking water 饮用水	N
Chemical and measurement equipment 化学试剂及测量设备		Mobile phone/communication equipment 手机/通信设备	N
Nitric acid 硝酸	N	PPE-wide brimmed hat, wet weather gear, waders/rubber boots, disposable overalls 个人防护设备-高筒防水胶靴/一次性工装连体橡胶靴	N
Sulfuric acid 硫酸	N	Antiseptic hand wash 杀菌洗手液	N
HCl 盐酸	N	Lifejackets/EPIRB 救生衣/应急无线电信号标	N
Na ₂ S ₂ O ₃ 硫代硫酸钠	N	Others 其他	
2M zinc acetate 2M 乙酸锌	N	Tools-spanner/shifter.etc 工具-扳手/移动装置等	N
1M NaOH 1M 氢氧化钠溶液	N	Digital camera and batteries/charger 数码相机和电池/充电器	N

Order No. 项目编号 : 326106979 (Sampling Report)

Basic Information in Sampling Fields 采样基本信息

Production lines 生产线 (编号)	Operation state 运行状态	Note 说明
染色生产线	未满足负荷	90%
-	-	-

Wastewater treatment plant 污水处理设施 (编号)	Operation state 运行状态	Quantity of wastewater effluent 污水排放量 (m³/day)	Note 说明
DW001	正常	3845	-
-	-	-	-

Flowrate and Type of Discharge 排放量及排放类型	Flowrate 排放量: ☐ Direct Discharge 直接排放 ☒ Indirect discharge with pretreatment (with sludge) 有预处理间接排放 (有污泥) ☐ Indirect discharge with pretreatment (without sludge) 有预处理间接排放 (无污泥) ☐ Indirect discharge without pretreatment 无预处理间接排放 ☐ Zero Liquid Discharge 零排放	Confirmed by Sampling team ☒ Yes ☐ No
Discharge standard of the factory 企业排放标准	GB4287-2012	
Facility Type 工厂类型	☒ Is the polyester wet processing facilities? 是涤纶湿法加工厂吗? ☐ Is the PU processing facilities? 是 PU 加工厂吗?	☒ Yes ☐ No ☐ Yes ☒ No

Order No. 项目编号 : 326106979 (Sampling Report)

Suldge disposal pathway 污泥处理方式	☒ A - On-site or off-site Incineration at >1000°C 大于 1000°C 场内或场外焚烧 ☐ B - Landfill with Significant Control Measures 重大控制措施的垃圾填埋场 ☐ C - Building Products Processed at >1000 °C 大于 1000°C下加工的建筑产品 ☐ D - Landfill with Limited Control Measures 采取有限控制措施的垃圾填埋场 ☐ E - Offsite Incineration and Building Products Processed at <1000°C 小于 1000°C 场外焚烧和加工的建筑产品 ☐ F - Landfills with No Control Measures 没有控制措施的垃圾填埋场 ☐ G - Land application for a specific purpose in approved areas. 在经批准的地区为特定目的进行土地应用	Please insert declaration for ZDHC Sludge Disposal Pathway 
--	--	--

Sampling day weather 采样天气状况:	☒ sunny 晴 ☐ rainy 雨 ☐ cloudy 多云 ☐ others 其他
Sampling mode 采样方式:	☐ discrete 瞬时 ☒ composite 混合 ☐ others 其他
Sampling day temperature 采样气温:	24°C
Distance from TUV to sampling place 采样点距离莱茵距离:	129KM

Order No. 项目编号 : 326106979 (Sampling Report)
Sampling Location (采样点): Incoming water (进水)

Sampling Team (采样组)		Zhiwei Wang
Sampling time (采样时间)		10:42
Sample description in field (样品描述)	Colour (颜色)	无色
	Odor (气味)	无味
	Turbidity (浑浊)	不浑浊
	Oil slick (浮油)	无浮油

Test Item In Lab (实验室测试项目):

Test item 采样项目	Lab No. 标签号	Bottle type and size 样品瓶规格	Treatment 现场处理情况	Multiple sampling (Y/N)	Note 备注
AP/APEO, Anti- Microbials & Biocides, Chlorinated Parafins, Chlorophenols, COC, DMFa, Dyes, Flame retardant, Glycols, Organotin, Phthalates, PAHs, AZO, UV Absorbers, Other chemicals 烷基酚/烷基酚聚氧乙烯醚, 抗菌剂, 氯化石蜡, 氯化苯酚, 氯苯和氯甲苯, N,N-二甲酰胺, 染料, 阻燃剂, 乙二醇, 有机锡, 邻苯, 多环芳烃, 偶氮染料, 紫外吸收剂, 其他化学物质	I001	2L amber glass bottle 2L 棕色玻璃瓶	-	N	
PFCs 全氟化物	I002	1L PE bottle 1L 聚乙烯瓶	Filling without air in bottle 满瓶不留空气	N	
Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物	I003	3*40mL amber VOA vial no head-space 3个40mL棕色VOA小瓶	Acidify to pH < 2 with hydrochloric acid, filling without air in bottle. 加盐酸调节水样pH小于2, 满瓶不留空气	N	
Field blank of Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物现场空白	I103B	3*40mL amber VOA vial no head-space 40mL棕色VOA小瓶	Filling with Grade 1 water, acidify to pH < 2 with hydrochloric acid, filling without air in bottle. 用一级水装满, 加盐酸调节水样pH小于2, 满瓶不留空气	-	Only open the cap when sampling on site, no sampling required 现场采样时打开瓶盖即可, 不需要采样
Heavy metals 重金属	I004	1L PE bottle 1L 聚乙烯瓶	Acidify to pH< 2 with nitric acid 加硝酸调节水样 pH 小于 2	N	

Order No. 项目编号 : 326106979 (Sampling Report)

Test item 采样项目	Lab No. 标签号	Bottle type and size 样品瓶规格	Treatment 现场处理情况	Multiple sampling (Y/N)	Note 备注
Field blank of Mercury 汞现场空白	I104B	100mL PE bottle 100mL 聚乙烯瓶	Filling with Grade 1 water and Acidify to pH < 2 with nitric acid 装入一级水, 加硝酸调节水样pH小于2	-	Only open the cap when sampling on site, no sampling required 现场采样时打开瓶盖即可, 不需要采样
Cr VI 六价铬	I005	3*40mL amber brown glass VOA vial 3个40mL棕色玻璃VOA小瓶	0.45 um filter in field, add buffer* to pH 9.0-9.5 现场过 0.45um 微膜, 加缓冲液调节水样 pH 至 9.0-9.5	N	
Temperature indicator bottle 温度指示瓶	-	500mL amber glass bottle 500mL棕色玻璃瓶	-	-	

Remark: # Buffer = EPA Method 218.6. Dissolve 33 g of ammonium sulphate in 75 ml of ASTM D1103 Type 1 or ISO 3696 water, add 6.5 ml of ammonium hydroxide. Dilute to 100 ml with ASTM D1103 Type 1 or ISO 3696 water.

Order No. 项目编号 : 326106979 (Sampling Report)
Sampling Location (采样点): Discharged Wastewater (排放废水)

Sampling Team (采样组)		Zhiwei Wang						
Sampling time (采样时间)		1	2	3	4	5	6	7
		10:30	11:30	12:30	13:30	14:30	15:30	16:30
Velocity 流速(cm/sec)		-	-	-	-	-	-	-
Sample description in field (样品描述)	Colour (颜色)	褐色						
	Odor (气味)	无明显刺激性气味						
	Turbidity (浑浊)	不浑浊						
	Oil slick (浮油)	无浮油						

^Δ Use incoming water temperature as receiver body temperature if no receiver body can be found

Test Item In Lab (实验室测试项目):

Test item 采样项目	Lab No. 标签号	Bottle type and size 样品瓶规格	Treatment 现场处理情况	Multiple sampling (Y/N)	Note 备注
Heavy metals 重金属	D104	1L PE bottle 1L 聚乙烯瓶	Acidify to pH< 2 with nitric acid 加硝酸调节水样 pH 小于 2	Y	
Field blank of Mercury 汞现场空白	D104B	100mL PE bottle 100mL 聚乙烯瓶	Filling with Grade 1 Water, Acidify to pH < 2 with nitric acid 填入一级水, 加硝酸调节水样 pH 小于 2	-	Only open the cap when sampling on site, no sampling required 现场采样时打开瓶盖即可, 不需要采样
Cr VI 六价铬	D105	3*40mL amber brown glass VOA vial 3个40mL 棕色玻璃 VOA 小瓶	0.45 um filter in field, add buffer* to pH 9.0-9.5 现场过 0.45um 微膜, 加缓冲液调节水样 pH 至 9.0-9.5	Y	

Order No. 项目编号 : 326106979 (Sampling Report)
Sampling Location (采样点): Raw Wastewater (原废水)

Sampling Team (采样组)		Zhiwei Wang						
Sampling time (采样时间)		1	2	3	4	5	6	7
		10:20	11:20	12:20	13:20	14:20	15:20	16:20
Sample description in field (样品描述)	Colour (颜色)	紫色						
	Odor (气味)	无明显刺激性气味						
	Turbidity (浑浊)	不浑浊						
	Oil slick (浮油)	无浮油						

Test Item In Lab (实验室测试项目):

Test item 采样项目	Lab No. 标签号	Bottle type and size 样品瓶规格	Treatment 现场处理情况	Multiple sampling (Y/N)	Note 备注
AP/APEO, Anti-Microbials & Biocides, Chlorinated Paraffins, Chlorophenols, COC, DMFa, Dyes, Flame retardant, Glycols, Organotin, Phthalates, PAHs, AZO, UV Absorbers, Other chemicals 烷基酚/烷基酚聚氧乙烯醚, 抗菌剂, 氯化石蜡, 氯化苯酚, 氯苯和氯甲苯, N,N-二甲酰胺, 染料, 阻燃剂, 乙二醇, 有机锡, 邻苯, 多环芳烃, 偶氮染料, 紫外吸收剂, 其他化学物质	R201	2L*7 amber glass bottle 2L*7 棕色玻璃瓶	-	Y	
PFCs 全氟化物	R202	1L PE bottle 1L 聚乙烯瓶	Filling without air in bottle 满瓶不留空气	Y	
Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物	R203	3*40mL amber VOA vial no head-space 3个40mL棕色VOA小瓶	Acidify to pH < 2 with hydrochloric acid, filling without air in bottle. 加盐酸调节水样pH小于2, 满瓶不留空气	Y	
Field blank of Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物现场空白	R203B	3*40mL amber VOA vial no head-space 40mL棕色VOA小瓶	Acidify to pH < 2 with hydrochloric acid, filling without air in bottle. 加盐酸调节水样pH小于2, 满瓶不留空气	-	Only open the cap when sampling on site, no sampling required 现场采样时打开瓶盖即可, 不需要采样

Order No. 项目编号 : 326106979 (Sampling Report)
Sampling Location (采样点): Sludge (污泥)

Sampling Team (采样组)		Zhiwei Wang
Sampling time (采样时间)		10:10
Sample description in field (样品描述)	Surroundings (周边环境)	干燥
	Sludge colour (土壤颜色)	褐色和黑色
	Sludge type (土壤性状)	X solid (固体状) ☐ liquid (液体状)
	Sludge odor (土壤气味)	无明显刺激性气味
	Apparent source of pollution (明显污染源)	无明显污染源

Test Item In Lab (实验室测试项目):

Test item 采样项目	Lab No. 标签号	Bottle type and size 样品瓶规格	Treatment 现场处理情况	Multiple sampling (Y/N)	Note 备注
%Solid, Paint Filter Test 固含量, 油漆过滤测试	S301	500ml PE bottle 500ml 聚乙烯瓶	-	N	
Cyanide 氰化物	S302	1L PE bottle 1L 聚乙烯瓶	Adding NaOH to pH >12, adding 0.1mL 10% Na ₂ S ₂ O ₃ solution 用氢氧化钠调节水样 pH 大于 12, 再加 0.1mL 10% 硫代硫酸 酸钠溶液	N	
Feacal Coliform 粪大肠菌群	S303	Aseptic Bags 无菌袋	Adding 0.1mL 10% Na ₂ S ₂ O ₃ solution, keep in the dark 加0.1mL 10% 硫代硫酸钠溶 液, 避光保存	N	
Heavy metals 重金属	S304	1L PE bag 1L PE袋	Acidify to pH < 2 with nitric acid 加硝酸调节水样 pH 小于 2	N	
AP/APEO, COC, PAHs 烷基酚/烷基酚聚氧乙烯 醚、氯甲苯、多环芳烃	S305	1L* 3 PE bag 1L* 3 PE 袋	0.008% Na ₂ S ₂ O ₃ V/W 加 0.008% (体积重量比) 硫 代硫酸钠溶液袋子	N	

Declaration for ZDHC Sludge Disposal Pathway A

(Sludge sent to onsite or offsite incineration operated at temperatures greater than or equal to 1000°C. The ash generated by the incineration process must be disposed of using one of the other ZDHC disposal pathways)

Reference: ZDHC Sludge Reference Document V1.0 and ZDHC Wastewater Guidelines V2.2

Facility name: Hu Zhou Gold Stallion Dyeing Ana Printing Industrial Co., LTD.

ZDHC Gateway ID: A585GG60

Location: NO. 20 Nanxun Economic Development Zone, Nanxun, Huzhou, Zhejiang

On-site or off-site incineration (please specify): off-site incineration

The undersigned entity declares the following:

- Our sludge is disposed of to your incineration (or thermal treatment or waste-to-energy) facility, and that the incineration facility receives our sludge and processes it through the incineration facility.
- That the incineration facility holds the required legal licence / authorisation to operate / permit / other similar documentation that allows the facility to legally-to-operate and accept the reference sludge and process it through the incineration facility. (Provide copies of the documentation.)

We also declare the following information based on the inputs received from the incineration facility where our sludge is disposed and that this information is true and accurate to the best of our knowledge:

1. Incineration temperature: (degrees) 1080°C
2. Dwell time of sludge in the combustion zone: 30minute
3. Percentage of total incinerator throughput represented by the supplier's sludge:
万分之三
4. Flue gas treatment steps: 炉内脱硫+低氮燃烧+联合脱硝+活性吸附+布袋除尘+石灰石+石膏法+脱硫+湿电除尘
5. Use of the heat generated by the incineration process: 产生高热蒸汽, 其他工厂供热
6. Disposal pathway (method) utilised for the ash from the incineration process: 填埋

Order No. 项目编号 : 326106979 (Sampling Report)

Page 42 of 47

On behalf of the named entity below, the undersigned hereby declares that the information provided above is true and accurate.

(Signature)

Name and designation of authorised signatory from the entity:

Name and location of the incineration facility: 湖州欣源固体废物治理有限公司 Huzhou Xinyuan Solid Waste Treatment Co., Ltd

Date: 2025 年 5 月 19 日

Note: In case of on-site incineration please get the required details from your incineration plant.

In case of off-site incineration please get the required details from the external incineration unit.



Order No. 项目编号 : 326106979 (Sampling Report)

Page 43 of 47

Sampling Point Indication (Map)

采样点信息

GPS Data: Discharged Wastewater: 30.879361,120.383203
Raw Wastewater: 30.879155,120.381447
Incoming water: 30.879257,120.381979
Sludge: 30.878743,120.381990

湖州金麟印染实业有限公司 GPS 卫星定位地图:



Order No. 项目编号 : 326106979 (Sampling Report)

Factory Gate
工厂大门



Factory Layout
工厂排污平面图



Other Factory Photo
其它工厂图片-内部环境



Other Factory Photo
其它工厂图片-内部环境



Order No. 项目编号 : 326106979 (Sampling Report)

Sampling Photo

采样点照片

Sampling Location (Incoming water) 采样点(进水)-采样点  10:11 2025-04-29 星期二 晴 23°C 湖州市南浔区·湖州金麟印染实业有限公司 经纬度: 30.879254°N, 120.381900°E 今日水印 相机 真实可信	Sampling Location (Incoming water) 采样点(进水)-水样颜色、状态  10:42 2025-04-29 星期二 晴 24°C 湖州市南浔区·湖州金麟印染实业有限公司 经纬度: 30.878944°N, 120.381801°E 今日水印 相机 真实可信
Sampling Location (Discharged Wastewater) 采样点(排放废水)-采样点  10:14 2025-04-29 星期二 晴 23°C 湖州市南浔区·湖州金麟印染实业有限公司 经纬度: 30.879361°N, 120.383203°E 今日水印 相机 真实可信	Sampling Location (Discharged Wastewater) 采样点(排放废水)-水样颜色、状态  10:33 2025-04-29 星期二 晴 23°C 湖州市南浔区·湖州金麟印染实业有限公司 经纬度: 30.879322°N, 120.383207°E 今日水印 相机 真实可信

Order No. 项目编号 : 326106979 (Sampling Report)

Sampling Location (Raw Wastewater)
采样点(原废水) - 采样点



Sampling Location (Raw Wastewater)
采样点(原废水) - 水样颜色、状态



Sampling Location (Sludge)
采样点(污泥) - 采样点



Sampling Location (Sludge)
采样点(污泥) - 泥样颜色、状态



All Samples
所有样品



Box Sealing
封箱



Order No. 项目编号 : 326106979 (Sampling Report)

Page 47 of 47

Sampler and ZDHC Accredited no.
采样员及 ZDHC 认证编号:

ZDHC-A-23-E-C001068-R2F72-1346C

Zhiwei Wang

Date 日期: 2025/04/29

Checked By 审核人:

ZDHC-A-23-E-C001068-R2E46-63097

Eric Hu

Date 日期: 2025/04/29

Signature and stamp by Factory
工厂人员签名及盖章:

[Signature]

Date 日期: 2025/04/29

Sample storage conditions 样品保存条件	X Refrigeration(0-4°C) ☐ Frozen 冷冻 ☐ RT 常温 ☐ Others 其他				
Sample send temperature/ status/ count 样品送出温度、状态、数量	一箱 完整 3 度	Sent by 送样人	Zhiwei Wang	Date 日期	2025/04/29
Sample delivery temperature/ status/ count 样品接收温度、状态、数量	一箱 完整 2 度	Received by 接收人	Eric Hu	Date 日期	2025/05/07

- END -
结束

