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Test Report No.: 326062118a 001

Client: FOSHAN SANSHUI WHOLLY TONE PRINTING DYEING CO.,LTD.

No.71-2, Datang Industrial Field, Sanshui District, Foshan, Guangdong, P.R.

China

Buyer's Name : .

Factory Details

Factory Name : Foshan Sanshui Wholly Tone printing dyeing Co.,Ltd.

Factory Address (with geographical : No.71-2, Datang Industrial Field, Sanshui District, Foshan, Guangdong, P.R. China

coordinates)

On-site ETP : N

Discharge Type of Wastewater : Indirect discharge

Destination of Wastewater : Foshan City Sanshui District Datang sewage treatment Co., LTD

For Indirect discharge

Name of public wastewater treatment : Foshan City Sanshui District Datang sewage treatment Co., LTD

plants(CETP)

Address of public wastewater treatment : No.10, Delta Road, Datang Industrial Park, Sanshui District, Foshan City

plants(CETP)

Sampling Details

Sampling Date : 2024-11-13 Sample Receiving Date : 2024-11-15

Testing Period : 2024-11-15 to 2024-11-27

Parameter(s) exceeded maximum : N

holding time Sampling Method:

Sample Type	Total Volume	1	2	3	4	5	6	7
Discharged Wastewater	-	-	-	-	-	-	-	-
Raw Wastewater	16.4L	10:20	11:20	12:20	13:20	14:20	15:20	16:20
Incoming Water	5L	10:50	-	-	-	-	-	-
Sludge	-	-	-	-	-	-	-	-

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

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

2024-12-16

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
Heavy Metals	-	-	Progressive	-
Manufacturing Restricted Substances List (MRSL)	Incoming Water	Discharged Wastewater	Raw Wastewater	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers	-	-	Comply	-
Anti-Microbials & Biocides	-	-	Comply	-
Chlorinated Paraffins	-	-	Comply	-
Chlorobenzenes and Chlorotoluenes	-	-	Comply	-
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)	No Comment	-	Not Comply	-
Restricted Aromatic Amines(Cleavable from Azo)	No Comment	-	Not 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
1001	Incoming	Incoming Water*
R001	Raw	Raw Wastewater*

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.



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1.Heavy Metals

				Sample No.	R001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Arsenic (As)	Arsenic	US EPA 6020a	mg/L	0.001	0.006
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 Progressive Limit

Abbreviation: < =less than

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



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Remark:

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

	ZDHC Lim	it for Wastewa	iter (mg/L)	ZDHC Limit for Sludge (mg/kg)			
Parameter	Foundational	Progressive	Aspirational	Disposal pathway A-F	Disposal pathway G	Total Metals Threshold Values**	
Antimony (Sb)	0.1	0.05	0.01		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	Report only	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)	Sam	ple and report	only		500	700	
Selenium (Se)	Sam	ple and report	ple and report only		36	10	
Tin (Sn)	Sam	ple 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.



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

					Sample No.	R001
Parameter	Parameter	Test Method	Unit	RL	ZDHC Limit	Result
	Code					
Nonylphenol (NP),	Multiple	ISO 18857-2	μg/L	5	5	< RL
mixed isomers	Including					
	104-40-5					
	25154-52-3					
	11066-49-2					
	84852-15-3					
Octylphenol (OP), mixed		ISO 18857-2	μg/L	5	5	< RL
isomers	Including					
	140-66-9					
	1806-26-4					
	27193-28-8					
Nonylphenol ethoxylates	Multiple	ISO 18254-1,	μg/L	5	5	< RL
(NPEO)	Including	ASTM D7065				
	9016-45-9					
	26027-38-3					
	37205-87-1					
	68412-54-4					
	127087-87-0					
Octylphenol ethoxylates	Multiple	ISO 18254-1,	μg/L	5	5	< RL
(OPEO)	Including	ASTM D7065				
	9002-93-1					
	9036-19-5					
	68987-90-6					
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 4A of ZDHC Wastewater Guidelines Version 2.2 issued in September 2024):

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



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3.Anti-Microbials & Biocides

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

Abbreviation: < = less than

RL =reporting limit

μg/L = microgram per liter



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4. 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



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5. Chlorobenzenes and Chlorotoluenes

					Sample No.	R001
Parameter	Parameter	Test Method	Unit	RL	ZDHC Limit	Result
	Code					
1,2-Dichlorobenzene	95-50-1	GB/T 20384-2006	μg/L	0.2	0.2	< RL
		modified				
Other isomers of mono,	Multiple	GB/T 20384-2006	μg/L	0.2	0.2	< RL
di-, tri-, tetra-, penta- and	including	modified				
hexa- Chlorobenzene	108-90-					
and mono, di- tri-, tetra-	7,541-73-					
and penta-Chlorotoluene	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					
Conclusion	<u>'</u>					Comply

Abbreviation: < =less than

RL =reporting limit μ g/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 2.2 issued in September 2024):

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



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6.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

 μ g/L = microgram per liter



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7.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	<u> </u>					Comply

Abbreviation: < = less than

RL = reporting limit μ g/L = microgram per liter



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8.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 Viiolet 49	1694-09-3	ISO 16373	μg/L	500	500	< RL
Conclusion						Comply

Abbreviation: < =less than

RL =reporting limit

μg/L = microgram per liter



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9.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



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10.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
Hexabromocyclododeca ne(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
Monobromodiphenylethe rs 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

TÜV Rheinland (Shanghai) Co., Ltd., Shanghai TÜV Rheinland Building, No. 177, Lane 777, West Guangzhong Road, Jing'an District, Shanghai 200072, P.R. China



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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	500	274
Diboron trioxide *	1303-86-2	EPA 6020a	μg/L	20	500	274
Disodium octaborate *	12008-41-2	EPA 6020a	μg/L	20	500	274
Disodium tetraborate anhydrous *	1303-96-4; 1330-43-4	EPA 6020a	μg/L	20	500	274
Tetraboron disodium heptaoxide, hydrate *	12267-73-1	EPA 6020a	μg/L	20	500	274
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.



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11. Glycols / Glycol Ethers

					Sample No.	R001	
Parameter	Parameter Code	Test Method	Unit	RL	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							

Abbreviation: < =less than

RL =reporting limit μ g/L = microgram per liter



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12. Halogenated Solvents

					Sample No.	R001	
Parameter	Parameter	Test Method	Unit	RL	ZDHC Limit	Result	
	Code						
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							

Abbreviation: < =less than

RL =reporting limit

μg/L = microgram per liter



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13. 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



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14.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 274;Zn< RL	
Conclusion							

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 individaully, not the salt.



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15.Perfluorinated and Polyfluorinated Chemicals (PFCs)

					Sample No.	R001	
Parameter	Parameter	Test Method	Unit	RL	ZDHC Limit	Result	
	Code						
Perfluorooctane	Multiple	EPA 8270, PFCs: LC-	μg/L	0.01	0.01	< RL	
sulfonate (PFOS) and	including	MS-MS FTOH: GC-MS					
related substances	1763-23-1						
Perfluorooctanoic acid	Multiple	EPA 8270, PFCs: LC-	μg/L	1	1	< RL	
(PFOA) and related	including	MS-MS FTOH: GC-MS					
substances	335-67-1						
Conclusion							

Abbreviation: < =less than

RL =reporting limit

μg/L = microgram per liter



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16.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-pentylphalates	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		<u> </u>				Comply

Abbreviation: < =less than

RL =reporting limit

μg/L = microgram per liter



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17. 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	2.6
Conclusion	,		'			Not Comply

				Sample No.	I001
Parameter	Parameter Code	Test Method	Unit	RL	Result
Naphthalene	91-20-3	US EPA 8270E	μg/L	1	< RL
Conclusion					No Comment

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 2.2 issued in September 2024):

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



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18.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



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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-xylidine	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	0.7			
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-xylidine	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-Naphthylammoniuma cetate	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				1		Not Comply

			Sa	mple No.	1001
Parameter	Parameter Code	Test Method	Unit	RL	Result
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	< RL
Conclusion					No Comment

Abbreviation: < =less than

RL =reporting limit μg/L = microgram per liter



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19.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



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20. 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



Order No. 项目编号: 326062118 Page 326062118

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:	佛山市三水昊通印染有限公司
Factory Address 工厂地址:	佛山市三水工业区大塘园 71-2 号地
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	No 否
Sampling Date 采样日期:	2024年11月13日
Sampling Location 采样点:	Incoming water(进水) Raw Wastewater (原废水)
	(Ref to the location map attached 参考采样点地图)
Sampling Person 采样人员:	Jackson Ruan
ZDHC Sampler Accreditation Certification Number 采样员证书编号:	C74D106820053
TUV Sales 莱茵销售支持:	Eva Chen +86 20 2839 1091
Sampling Field Contact: 采样现场联系方式	Name (联系人):王志军 Phone (电话):15157085399



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Sampling Preparation Checklist 采样准备检查表

Checked By 审核人: Jackson Ruan Date 日期: 2024-11-13

Equipment list 设备列表 Check 核查		Equipment list 设备列表	Check 核査	
Sampling equipment 采样设备		Buffer 缓冲液	N	
Sampling rod 采样杆	Υ	级件权 pH meter pH 计	Υ	
Depth sampler with temperature meter 带温度计取样器	Υ	Temperature meter 温度计	Υ	
Disposable gloves 一次性手套	Υ	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	Υ	
500mL amber glass bottle 500mL 棕色玻璃瓶	Υ	Transport/equipment blanks 运输/设备空白	Υ	
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	Υ	Blue Ice 蓝冰	Υ	
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	Υ	Drinking water 饮用水	N	
Chemical and measurement equipmen 化学试剂及测量设备	nt	Mobile phone/communication equipment 手机/通信设备	N	
Nitric acid 硝酸	N	PPE-wide brimmed has 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	
HCI 盐酸	N	Lifejackets/EPIRB 救生衣/应急无线电示位标	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	

TüV Rheinland (Shanghai) Co., Ltd., Shanghai TüV Rheinland Building, No.177, Lane 777, West Guangzhong Road, Jing'an District, Shanghai 200072, P.R.China Tel.: (86) 21 6108 1188 Fax: (86) 21 6074 7298 Mail: service-gc@tuv.com Web: www.chn.tuv.com



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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	
工/ 线 (Fully oper			N/	
			. u, epe.			,	
Wastewater treatment		Operation		Quantity of wast		uent	Note
污水处理设施(编号 N/A)	运行状	[态]	污水排放量	i (m³)		说明 N/A
IN/A							IN/A
Flowrate and Type of Disharge 排放量及排放类型	Flowrate 排放量: □ Direct Discharge 直接排放 □ Indirect discharge with pretreatr 有预处理间接排放(有污泥) □ Indirect discharge with pretreatr 有预处理间接排放(无污泥) X Indirect discharge without pretre			retreatment (with s 泥) retreatment (withou 泥)			
		预处理间接排 ro Liquid Disc		排放			
Discharge standard of the factory 企业排放标准	LI Ze	□ Zero Liquid Discharge 零排放					
Facility Type						☐ Ye X No	
工厂类型		the PU proce PU 加工厂吗	-	lities?		☐ Yes X No	
Suldge disposal pathway 污泥处理方式	□ B ·	□ 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			N/A		
Sampling day weather 采样天气状况:		气状况:	X sunny	,晴 □ rainy 雨 □	cloudy 多云	<u> </u>	thers 其他
Sampling mode 采样方式	t :		□ discre	ete 瞬时 X compos	site 混合 [other	s 其他
Sampling day temperatu	ıre 采样	羊气温:	30°C				
Distance from TUV to sa 采样点距离莱茵距离:	mpling	g place	1550km				



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Sampling Location (采样点): Incoming water (进水)

Sampling Team (采样组)		Jackson Ruan		
Sampling time (采样时间)		10:50		
	Colour (颜色)	Colorless and transparent		
Sample description in field (样品描述)	Odor (气味)	No		
	Turbidity (浑浊)	No		
	Oil slick (浮油)	No		

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, 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	1001	2L amber glass bottle 2L 棕色玻璃瓶	-	N	Provided 1* amber glass bottle + 1* PE bottle
PFCs 全氟化物	1002	1L PE bottle 1L 聚乙烯瓶	Filling without air in bottle 满瓶不留空气	N	Provided 1* PE bottle
Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物	1003	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	Provided 1* amber glass bottle
Field blank of Halogenated Solvent/ VOCs 卤化溶剂、挥发性有机物现 场空白	1003B	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	1004	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	Provided 1* PE bottle
Field blank of Mercury 汞现场空白	I004B	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

TüV Rheinland (Shanghai) Co., Ltd., Shanghai TüV Rheinland Building, No.177, Lane 777, West Guangzhong Road, Jing'an District, Shanghai 200072, Tel.: (86) 21 6108 1188 Fax: (86) 21 6074 7298 Mail: service-gc@tuv.com Web: www.chn.tuv.com

P.R.China



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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
Cr VI 六价铬	1005	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	Provided 1* amber glass bottle
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.



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Sampling Location (采样点): Raw Wastewater 原废水

Sampling Team (采样组)		Jackson Ruan							
Sampling time (采样时间)		1	2	3	4	5	6	7	Ave
		10:20	11:20	12:20	13:20	14:20	15:20	16:20	
	Colour (颜色)	Black and Brown							
Sample	Odor (气味)	No							
description in field (样品描述)	Turbidity (浑浊)	No							
Oil slick (浮油)		No							

^A 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 samplin g (Y/N)	Note 备注
AP/APEO, Anti- Microbials & Biocides, Chlorinated Parafins, 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	Provided 2* amber glass bottle + 4* PE bottle
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	Υ	Provided 1* PE bottle
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	space nydrochloric acid, filling		Provided 1* amber glass bottle
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
Heavy metals 重金属	R204	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	Provided 1* PE bottle



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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 samplin g (Y/N)	Note 备注
Field blank of Mercury 汞现场空白	R204B	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	R205	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	Υ	Provided 1* amber glass bottle



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Sampling Point Indication (Map)

采样点信息

GPS Data: Raw Wastewater: 23.433620, 112.937033

Incoming water: 23.433837, 112.935358

实际采样工厂的 GPS 卫星定位地图:





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Factory GateFactory Layout工厂大门工厂排污平面图



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Other Factory Photo 其它工厂图片-内部环境









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Sampling Photo

采样点照片

Sampling Location (Incoming water)



Sampling Location (Incoming water) 采样点(进水)-水样状态颜色



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

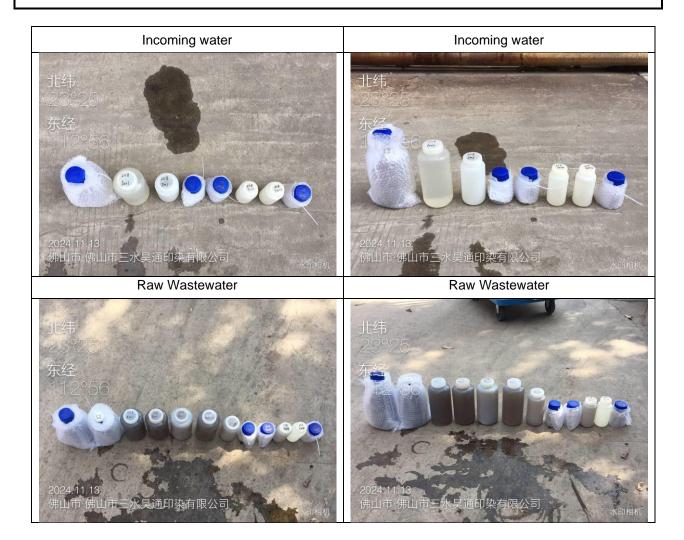


Sampling Location (Raw Wastewater) 采样点(原废水) -水样状态颜色





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

Checked By 审核人:

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

Jackson Ruan
C74D106820053

Robin Hong And Arroject Manager

Date 日期:

13 November 2024

Date 日期:

14 November 2024

Date 日期:

13 November 2024

Sample storage conditions 样品保存条件	☐ Refrigeration(0-4°C)	□ Frozen 冷冻	X RT 常温	□ Oth	ers 其他
Sample send temperature/ status/ count 样品送出温度、状态、数量	1箱 完整 3度	Sent by 送样人	Jackson Ruan	Date 日期	13 November 2024
Sample delivery temperature/ status/ count 样品接收温度、状态、数量	1箱 完整 2度	Received by 接收人	Eric Hu	Date 日期	15 November 2024

- END – 结束



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

- Scope
 These General Terms and Conditions of Business of TUV Rheinland in Greater China ("GTCB") is made between the client and one or more member entities of TUV Rheinland in Greater China is applicable as the case may be ("I'UV Rheinland"). The Greater China hereof refers to the regions within the territories of China. The Client hereof includes:

 a natural person capable to form laggly binding contracts under the applicable laws who concludes the contract not for the purpose of a daily use.

 The following terms and conditions of proceedings of the contract under the applicable law. The following terms and conditions of provisions the vision and conditions of the contract under the applicable two. The following terms and conditions of the client daily strip calcillary services and similar services as well as an activate services information, deliveries and similar services as well as an activate services information, deliveries and similar services as well as an activate services and services and services are services as well as an activate services and services and services are services as well as an activate services and services and services are services as well as an activate services and services and services and services are services as well as an activate services and services are activated to the contract even if TUV Rheinland does not explainly object to them. In the context of an organizing business relationship with the client, this CTGB shall also apply to future contracts with the client without TUV Rheinland having to refer to them separately in each individual case.
- (ii)
- 13

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

Coming into effect and duration of contracts

- Coming into effect and duration of contracts

 The contract shall come into effect for the agreed terms upon the quotation letter of TÜV.

 Rhenland or a separate contractual document being signed by both contracting parties, or upon
 the works requested by the client being carried out by TÜV. Rheinland if the ident instructs TÜV.

 Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, erfeitled to accept the order by giving written notice of such acceptance (including notice sent via effectronic means) or by performing the requested services.

 The contract term starts upon the coming into effect of the contract in sociodance with article 3.1 and shall continue for the term agreed in the contract.

 If the contract provides for an existention of the coloration term, the contract term will be extended the contract in the contract term.
- 3.3

- The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland ostaits, hen the written confirmation of order by TÜV Rheinland ostaits, hen the written confirmation of order by TÜV Rheinland ostaits, hen the written confirmation of order by TÜV Rheinland ostaits, hen the service description (e.g., checking the correctness and functionality of parts, products, proprosesse, installations, organizations not Island in the service description, as well as the intended use and application of such) are not owed. In particular, no responsibility is assumed for the design, selection of materials, construction or intended use of an examined part product, process or plant, unless this is expressly stated in the order.
- 4.3
- The agreed services shall be performed in compliance with the regulature is in a contract is entered into.

 TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unbest scherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.

 On execution of the Nette shall be no simultaneous assumption of any guarantee of the On execution of the willy) and working order of either tested or exemined parts nor of the installation as a whole and its upstream and/or downstream processes, organisations, use and application in accordance with regulations, nor of the systems on which the installation is based in particular. TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for the use and application in accordance with regulations, unless these questions are expressly covered by the contract.

- in particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, not for their use and application in accordance with requisitions, unless these questions are expressly covered by the contract.

 In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, reading of the safety programmes or safety regulations on which the inspections are based, reading of the safety programmes or safety regulations on which the inspections are based, reading and the safety of the safety programmes or safety regulations on which the heapted service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remumeration for resulting additional expenses.

 The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the contract are safety of the safety of t

- 5.5
- Performance periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding fleeing confirmed as binding by TUV Rehination to writing, shall not commence until the Archies S1 and S2. Sale sapply, even whost express periods shall not commence until the Archies S1 and S2. Sale sapply, even whost express approval by the client, to all extensions of a greed periods/dates of performance not caused by TUV Rheinland. TUV Rheinland on the reportable for a delay in performance, in particular if the client has not inparticular, has not provided TUV Rheinland as delay in performance, in particular if the client has not inparticular, has not provided TUV Rheinland with all documents and information nequired for the performance of the service as specified in the contract.

 If the performance of TUV Rheinland is delayed due to unforeseeable circumstances such as force maginar, shirts, business damptions, powermental regulations, transport chalactes, etc., corresponds at least to the duration of the informance plus any time period which may be required to resume performance.
- to resume performance.

 The client is obliged to comply with legal, officially prescribed and/or by the accreditor prescribed deadlines, it is the client's obliged to comply with legal, afficially prescribed and/or by the accreditor prescribed deadlines. It is the client's responsibility to agree on performance dates with TUV Rheinland, which enable the client to comply with the legal and/or officially prescribed deadlines. TUV Rheinland assumes no responsibility in this respect unless TUV Rheinland expressly agreed in writing aspectically stating that enumpting the deadlines is the contractual obligation of TUV.

- The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to $T\bar{U}V$ Rheinland. 6.1
- Design documents, supplies, suxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and variants that:

- b) the product, service or management system to be certified complies with applicable laws and regulations; and
- it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
- If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/centificates
- The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.

- 7.1
- If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is sagreed in writing, invoicing shall be made in accordance with the price list of TUV Phenianda valid at the time of performance. Unless otherwise agreed, work shall be invoiced according to the progress of the work. If the execution of an order actuation over more than one month and the value of the contract or the agreed fixed price exceeds £2,500.00 or equivalent value in local currency. TUV Rheinland may demand payments on account or in installments.

- All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted. Payments shall be made to the basis, account of TUV Rhenland as indicated on the invoice, stating the invoice and client numbers. Stating the invoice and client numbers. Stating the invoice and client numbers. Stating the invoice and client numbers of the properties of the properties of the properties of the properties of the publicy amounted by a reputable commercial bank in the country where TUV Rheinland is located. At the same time, TUV Rheinland reserves the right to claim further demanges.
- applicable short term loan interest fave puocus princeres up a reposeer connected and the country where TUV Rheisland is located. At the same time, TUV Rheinland reserves the right the country where the term of the invoice despite being granted a reasonable grace period. TUV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract. The provisions set forth in article & I shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the claimst assets or contract to the contract of the contract of the contract of payment, commencement of insolvency proceedings against the claimst assets or contract of the contract of payment, commencement of insolvency proceedings against the claimst assets or contract of the contract
- ets.
 ections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of epit of the invoice.

TÜV Rheinland shall be entitled to demand appropriate advance payments. TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have heroteader. In this case, TÜV Rheinland shall notify the client in writing of the upper purchase to the proper purchase the state of the proper purchase the proper

Only legally established and undisputed claims may be offset against claims by TÜV Rheinland. TÜV Rheinland shall have the right at all times to setoff any amount due or payable by the client including but not limited to setoff against any less goal by the client under any contracts agreement and or orders/quotations reached with TÜV Rheinland.

- 9.1
- Any part of the work result ordered which is complete in itself may be presented by TÜV Rhenland for acceptance as an instalment. The client shall be obliged to accept it immediately. If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client retures acceptance within this period stating at least one unfundental breach of contract by TÜV.
- Rheinland.

 The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV
 Rheinland. 9.3
- Rheinland. If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place. During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/performance by TÜV Rheinland and the certificate is therefore to be without (e.g. performance of surveillance audits), or if the client certification promoted the procedure of surveillance audits), or if the client certification shallow of the certification procedure of surveillance audits), or if the client certification is interested to be without experimental or surveilland (e.g. the certification procedure). The certification is surveilland to service the certification of the certificat
- Rhehland has incurred no damage whatsoever or usy a wannounce, ..., above lump sum, ar as the client has undertaken in the contract to accept services, TUV Rheinland shall also be entitled to charge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TUV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

- dentiality

 For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, dais, test results, sports, and secrets, documents, images, drawings, expertise, information, dais, test results, sports, and marketing techniques and materials, tangible or intangible, that are supplied, transferred or indevise disclosed by one Party (the "disclosing party") to the other Party (the "receiving party"), in writing or orally, in printed or electronic format. Confidential information is expressly not the data and know-how collected, complete or otherwise disclosined by TD (Febrahard flore)-personal confidential information is expressly not the data and know-how collected, complete or otherwise disclosined by TD (Febrahard flore)-personal confidential information is expressly not the data and know-how collected, complete or otherwise disclosined by TD (Febrahard flore)-personal confidential information is disclosed party in the provision of services 10.2. The disclosing party shall mark all confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidential information to make the client child and any confidential information to TDV Rheinland. Instead, the client shall avoid using any third party platform and/or system (e.g. Wechat, etc. Unauthorized by TDV Rheinland, bread of the client shall avoid unique grave the day transmits or otherwise discloses to the client shall avoid unique grave through the confidential information to TDV Rheinland. Instead, Lindau and which is created during performance of work by TDV Rheinland. Instead, Lindau shall be appropriately informed in a secretary and the confidential information or which the disclosing party transmits or
- 10.3
- 10.5 a)
- 10.7

11.1

- TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use
- Rhehinal is free to grant others the right to use the work results for individual or all types of use (right of use). The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, export reports/opinions, test apports/results, results calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose. subject to Mil proyment of the renumeration agreed in tenuous left of clause 11.2 of the GTCB is subject to Mil proyment of the renumeration agreed in tenuous left of the Client may only pass on the work results in Unless TUV Rheinland has given its provivation correct to the partial passing on of work results.
- 11.4
- work results in full unless 1UV Rhenland has given its pror written consent to the partial passing on I work results in Societies and public exploration of work results for schedinging purposes or any further use of Arry publication the exploration between the soope regulated in clause 11.2, and any apartial or the introduction of TUV Rhenland need the prior written approval of TUV Rhenland in each individual cases. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulators and relevant rules (including but not limited to specific applicable testing and certification rules, etc.). TUV Rhenland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is colleged to stop the transfer of the work results immediately afth own expense and, as first any possible, to whichersy publications not exist exist. The consent of TUV Rhenland to publication of the work results intent to see the corporate logo, corporate deagn or reschederfication mask of TUV Rhenland.

Liability of TÜV Rheinland

12.1

- Liability of TÜV Rheinland

 Irraspective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or lord, the liability of TÜV Rheinland for all damages, bases and reimbursament of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall feet, these times the representatives are considered to the case of a contract expressity charged on a time and material basis, a maximum of 20,000 Euror or squivalent amount in local currency; and (by) in the case of a familieror, and a fixed provides for the possibility of placing individual orders, three times of Nowthatandrian places are considered to the case of a contract expressity of placing individual orders, three times of Nowthatandrian places are considered to the consideration of the case of a familieror of the consideration of the case of a contract expressity of placing individual orders, three times of Nowthatandrian places are considered to the consideration of the case of a familieror of the consideration of the case of the consideration of the case of the consideration of the consideration of the case o

When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control law. The performance of a contract with the client is subject to the provisio that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or the performance due to national or international foreign trade legislations or embargos and/or the performance due to national or international foreign trade legislations or embargos and/or the performance of the national or international foreign trade legislations or embargos and/or the performance of the national or the performance of the performance of the national performance of the national performance of the performance of the national performance of the national performance of the performance of 13.1

sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incured thereof by TÜV Rheinland.

Data protection notice

The client understands and agrees that TÜV Rheinland processes personal data (including but not limited to penceal information) of the client and its related parties (including but not limited to the client and its related parties (including but not limited to the client and its related parties (including but not limited to the client client or process the personal data that the client collected or processes day itself and transferred to TÜV Rheinland. For certain services, we may also process sensitive personal data. TÜV Rheinland will use and process the data in accordance with the relavant legal basis. It any personal data has to be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has be disclosed or transferred to any hird party or any overseas party outde of the data has been depended to the data of the personal data. The personal subject to the data subject. TÜV Rheinland will early outdened to the processing plant the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the content of the processing plant and protection information. You can contact the Group Data Protection Officer of TÜV Rheinland W. Jernal at datasynotection followers or by poot at the following address: TÜV Rheinland W. Jernal and data protection officers. Am Grauen Stein, \$1105 Cologne, Germany.

- 15.2
- tion of test material and documentation

 The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following testing or will be returned to the client at the client's experies. The only exceptions are test stating requirement with the client.

 In storage or the basis of sistutions requirement with the client in storage on the basis of sistutions regulations or of another agreement with the client.

 Charges apply if the test samples are stored at the premises of TÜV Rheinland. The cost of placing a test sample into storage will be disclosed to the client in the quotation. If reference samples or documentations are given to the client to be placed in storage at their premises, the reference samples or documentations are given to the client to be placed in storage at their premises, the reference samples ander documentation, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TUV Rheinland as allow olded.

 The retention period for the documentation shall be 10 (ten) years after the expiry of the test mark and GS mat contributions. The cost of the handover and dispatch of the test samples for storage on the client's premises are more by the client against will be liable for the loss of test samples or reference samples from the laboratories or warehouses of TUV Rheinland only in case of gross negligence.

- Ination of the contract

 Nowthstanding clause 3.3 of the GTCB, TÜV Rheinland and the client are entitled to terminate the contract in set entitley or, in the case of services combined in one contract, each of the combined parts of the contract in set entitley or, in the case of services combined in one contract, each of the combined parts of the contract individually and independently of the contract individually and individual cases.

 In the overt of any serious missinguesentation, be it by intentional finand or grootsy negligent in contract does not belong to the insurance coverage applicable to TÜV Rheinland and TÜV Rheinland and TÜV Rheinland and the entities or alumps and confertation or notification, or other.

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- hip The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the

- The Parties are bound to perform their contractual duties even if events have rendered performance more ones than could reasonably have been anticipated at the time of the conclusion of the Monthitstanding paragraph 1 of this Clause, where a Party proves that:

 (a) the continued performance of its contractual duties has become excessively circuits due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract and that its corresponders, the Parties are (b) it could not reasonably here aexided or overcome the event or its engolistic elementate contractual terms which reasonably allow to overcome the consequences of the event.

 Where Clause 182 applies, but where the Parties have been unable to agree alternative contractual terms approvided in that paragraph, the Party mixeding this Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the other.

- invalidity, written form, place of jurisdiction and dispute resolution.

 All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1. Should one or several of the provisions under the contract and/or less terms and conditions be Should one or several of the provisions under the contract and/or less terms and conditions to the state of the several orders of the several orders and the content of the results provision in legal and commercial terms.

 Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be chosen following the rules as below.

 Unless otherwise stipulated in the contract, the governing law of the contract and the settlems and conditions shall be chosen following the rules as below.

 It is not the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China.

 It TUV Rheeland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China. 19.2 19.3

- ITUV Rheritiand in question is legally registered and existing in 1-mm.

 The hereby agree that the contract and these terms and conditions shall be governed by the laws of Takwar.

 It TOV Rheritind in question is legally registered and existing in Hong Kong, the contracting is TOV Rheritind in the contract and these terms and conditions shall be governed by the laws of Hong Kong.

 Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.

 Unless otherwise seputated in the contract, if no cellement or no agreement in respect of the Unless otherwise seputated in the contract, and the contract and the settled friendly through negotiations.

 The contract is the submitted of the strength of the strength