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LAB REPORT

Report number	(6625)064-0115		
Date of sampling (dd/mm/yyyy)	05/03/2025		
Date of report (dd/mm/yyyy)	18/03/2025		
Factory company name	Zhangjiagang Zhenxin Prting & Dyeing Co., Ltd.		
Factory address	Gate 5, Xinfang Road, Daxin Town, Zhangjiagang City, Jiangsu Province, China		
Discharge type	Indirect Discharge with Pretreatment without Sludge		
Discharge destination name & address	Zhangjiagang Daxin Wastewater Treatment Co., Ltd		
Average total industrial wastewater generated	≥15 m ³ per day	Manufacturing process type	Textile
Onsite ETP / Pretreatment	Yes	Homogenization Tank & Average Holding Time	Yes (raw & effluent), >12h
ZDHC sampler accreditation certification number	C74D106818233		
Sample description & Sample collection method			
Untreated wastewater (raw)	I001, brown liquid, grab sample at 10:36		
Discharged wastewater (effluent)	I002, brown liquid, grab sample at 10:05		
Sludge	Not applicable		
Local legal data			
Local legal standard name & number [a]	Emission standards for water pollutants in textile dyeing and finishing industry; GB 4287-2012		
Parameters (ZDHC WWG V2.2, Table 2 & 3) exceeded local regulation	Not applicable		
Discharge permit provided	Yes		
ZDHC overall results			
Wastewater MRSL	Detected		
Wastewater metals	Meet aspirational limit		
Wastewater conventional and anions	Not applicable		
Sludge disposal pathway	Not applicable	Sludge	Not applicable



Internal Description	
Sample reference number	(6625)064-0115
Date & time of the beginning of sampling	05/03/2025, 9:45
Date & time of the end of sampling	05/03/2025, 13:00
Sample received date	06/03/2025
Testing period	From 05/03/2025 to 18/03/2025
Sample holding time exceeded	No
Sample temperature when received from lab	2.74 °C
Comments	Samples received within holding time and temperature.

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing

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For and on behalf of
BUREAU VERITAS CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

Amy Feng

Aten Wu, Technical Support

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Summary of test results

Wastewater / MRSL - Test Items	Raw 1001
AP and APEOs	ND
Antimicrobials and Biocides	ND
Chlorinated Paraffins	ND
Chlorobenzenes and Chlorotoluenes	ND
Chlorophenols	ND
DMFa	ND
Dyes-Carcinogenic or Equivalent Concern	ND
Dyes-Disperse (Allergenic)	ND
Dyes-Navy Blue Colourant	NA
Flame Retardants	ND
Glycols / Glycol Ethers	ND
Halogenated Solvents	ND
Organotin Compounds	ND
Other / Miscellaneous Chemicals	D
PFCs	ND
Phthalates	ND
PAHs	ND
Restricted Aromatic Amines	ND
UV Absorbers	ND
VOC	ND



Summary of test results

Wastewater / Metals - Test Items	Effluent I002
Antimony	NA
Chromium (VI)	Meet aspirational
Barium	NA
Selenium	NA
Tin	NA
Arsenic	Meet aspirational
Total Chromium	NA
Cobalt	NA
Cadmium	Meet aspirational
Copper	NA
Lead	Meet aspirational
Nickel	NA
Silver	NA
Zinc	NA
Mercury	Meet aspirational
Wastewater / Conventional & Anions - Test Items	Effluent -
pH [f]	NA
Temperature difference [f]	NA
E.coli	NA
Colour	NA
Persistent foam [f]	NA
Wastewater flowrate [f]	NA
Ammonium-Nitrogen	NA
AOX	NA
BOD5	NA
COD	NA
DO [f]	NA
Oil & Grease	NA
Total Phenols	NA
Total Chlorine [f]	NA
TDS	NA
Total Nitrogen	NA
Total Phosphorus	NA
TSS	NA
Chloride	NA
Cyanide, total	NA
Sulphate	NA
Sulphide	NA
Sulphite	NA



Summary of test results **Sludge Disposal Pathway =** **Not applicable**

Sludge / Sludge Parameters - Test Items	Sludge -
AP and APEOs	NA
PAHs	NA
Chlorotoluenes	NA
Antimony	NA
Arsenic	NA
Barium	NA
Cadmium	NA
Cobalt	NA
Copper	NA
Lead	NA
Nickel	NA
Selenium	NA
Silver	NA
Zinc	NA
Total Chromium	NA
Chromium (VI)	NA
Mercury	NA
pH	NA
Fecal Coliform	NA
% Solids	NA
Paint Filter Test	NA
Cyanide	NA

Sludge flux and/or sludge flow data: NA

Remark (indicated in each parameter)		
ND	=	Not detected (below lab reporting limit)
D	=	Detected (above lab reporting limit)
Exceed foundational	=	Parameter exceeds the foundational limit
Meet foundational	=	Parameter meets the foundational limit
Meet progressive	=	Parameter meets the progressive limit
Meet aspirational	=	Parameter meets the aspirational limit
Report only	=	Parameter is for report only, please refer to the data
NA	=	Not applicable
Meet disposal pathway	=	Parameter meets the sludge disposal pathway limit
Exceed disposal pathway	=	Parameter exceeds the sludge disposal pathway limit
[a]	=	The local legal standard name and legal standard number is referenced to discharge permit (or contractual agree by CETP) that provided by company.
(f)	=	Parameter tested in field
(T)	=	Handling temperature exceeded
@	=	Maximum holding time exceeded
*	=	See remark
(S)	=	Analysis was subcontracted for testing



1) Test result - Wastewater / MRSL
1A) AP and APEOs: including all isomers

NP/OP: ASTM D7065-17; OPEO/NPEO (n>2): ASTM D7742-17, LC-MS

Table with 4 main rows for NPEO, NP, OPEO, and OP, showing CAS numbers, reporting limits for textile and lab, and raw data results (all ND).

1B) Anti-Microbials & Biocides

USEPA3510C:1996; USEPA 8270E:2018, GC-MS; USEPA 8321B:2007, LC-MS

Table with 3 rows for o-Phenylphenol, Triclosan, and Permethrin, showing CAS numbers, reporting limits, and raw data results (all ND).

1C) Chlorinated Parafins

USEPA 3510C:1996; ISO 18219-2:2021, GC-MS

Table with 2 rows for MCCPs and SCCPs, showing CAS numbers, reporting limits, and raw data results (all ND).



1D) Chlorobenzenes and Chlorotoluenes

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-dichlorobenzene	95-50-1	0.2	0.2	ND			
Other isomers of mono-, di-, tri-, tetra-, penta-, and hexa- chlorobenzene and mono-, di-, tri-, tetra-, and penta- chlorotoluene	Multiple 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-	0.2	0.2	ND			

1E) Chlorophenols

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-chlorophenol	95-57-8	0.5	0.5	ND			
2,3-dichlorophenol	576-24-9	0.5	0.5	ND			
2,3,4-trichlorophenol	15950-66-0	0.5	0.5	ND			
2,3,5-trichlorophenol	933-78-8	0.5	0.5	ND			
2,3,6-trichlorophenol	933-75-5	0.5	0.5	ND			
2,4-dichlorophenol	120-83-2	0.5	0.5	ND			
2,4,5-trichlorophenol	95-95-4	0.5	0.5	ND			
2,4,6-trichlorophenol	88-06-2	0.5	0.5	ND			
2,5-dichlorophenol	583-78-8	0.5	0.5	ND			
2,6-dichlorophenol	87-65-0	0.5	0.5	ND			
3-chlorophenol	108-43-0	0.5	0.5	ND			
3,4-dichlorophenol	95-77-2	0.5	0.5	ND			
3,4,5-trichlorophenol	609-19-8	0.5	0.5	ND			
3,5-dichlorophenol	591-35-5	0.5	0.5	ND			
4-chlorophenol	106-48-9	0.5	0.5	ND			
Pentachlorophenol (PCP)	87-86-5	0.5	0.5	ND			
2,3,5,6-tetrachlorophenol	935-95-5	0.5	0.5	ND			
2,3,4,6-tetrachlorophenol	58-90-2	0.5	0.5	ND			
2,3,4,5-tetrachlorophenol	4901-51-3	0.5	0.5	ND			

1F) N,N-di-methylformamide (DMFa)

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	1000	ND			



1G) Dyes - Carcinogenic or Equivalent Concern

USEPA 8321B:2007, LC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	500	500	ND			
C.I. Acid Red 26	3761-53-3	500	500	ND			
C.I. Acid Violet 49	1694-09-3	500	500	ND			
C.I. Basic Blue 26 (with Michler's Ketone >0.1%)	2580-56-5	500	500	ND			
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	500	500	ND			
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	500	500	ND			
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	500	ND			
C.I. Basic Red 9	569-61-9	500	500	ND			
C.I. Basic Violet 14	632-99-5	500	500	ND			
C.I. Direct Black 38	1937-37-7	500	500	ND			
C.I. Direct Blue 6	2602-46-2	500	500	ND			
C.I. Direct Red 28	573-58-0	500	500	ND			
C.I. Disperse Blue 1	2475-45-8	500	500	ND			
C.I. Disperse Blue 3	2475-46-9	500	500	ND			
C.I. Disperse Orange 11	82-28-0	500	500	ND			

1H) Dyes - Disperse (Allergenic)

USEPA 8321B:2007, LC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
Disperse Blue 102	12222-97-8	50	50	ND			
Disperse Blue 106	12223-01-7	50	50	ND			
Disperse Blue 124	61951-51-7	50	50	ND			
Disperse Blue 26	3860-63-7	50	50	ND			
Disperse Blue 35	12222-75-2	50	50	ND			
Disperse Blue 35	56524-77-7	50	50	ND			
Disperse Blue 7	3179-90-6	50	50	ND			
Disperse Brown 1	23355-64-8	50	50	ND			
Disperse Orange 1	2581-69-3	50	50	ND			
Disperse Orange 3	730-40-5	50	50	ND			
Disperse Orange 37/59/76	13301-61-6	50	50	ND			
Disperse Red 1	2872-52-8	50	50	ND			
Disperse Red 11	2872-48-2	50	50	ND			
Disperse Red 17	3179-89-3	50	50	ND			
Disperse Yellow 1	119-15-3	50	50	ND			
Disperse Yellow 3	2832-40-8	50	50	ND			
Disperse Yellow 39	12236-29-2	50	50	ND			
Disperse Yellow 49	54824-37-2	50	50	ND			
Disperse Yellow 9	6373-73-5	50	50	ND			

**1I) Dyes - Navy Blue Colourant**

USEPA 8321B:2007, LC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9						
Component 2: C46H-30CrN10O20S2 3Na	Not allocated	NA	NA	NA			

1J) Flame Retardants

USEPA3510C:1996; USEPA 8270E:2018, GC-MS; USEPA 8321B:2007, LC-MS; USEPA 3015A:2007; US EPA 6020B:2014, ICP-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
Boric acid	10043-35-3, 11113-50-1	500	500	ND			
Diboron trioxide	1303-86-2	500	500	ND			
Disodium octaborate	12008-41-2	500	500	ND			
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4	500	500	ND			
Tetraboron disodium heptaoxide, hydrate	12267-73-1	500	500	ND			
Hexabromocyclodecane (HBCDD)	3194-55-6	25	25	ND			
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	25	ND			
Polybromobiphenyls (PBB)	59536-65-1	25	25	ND			
Monobromobiphenyls (MonoBB)	Multiple	25	25	ND			
Monobromodiphenylethers (MonoBDEs)	Multiple	25	25	ND			
Dibromobiphenyls (DiBB)	Multiple	25	25	ND			
Dibromopropylether	21850-44-2	25	25	ND			
Tribromophenylethers (TriBDEs)	Multiple	25	25	ND			
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	ND			
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	ND			
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	ND			
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	ND			
Octabromobiphenyls (OctaBB)	Multiple	25	25	ND			
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	ND			
Nonabromobiphenyls (NonaBB)	Multiple	25	25	ND			
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	ND			
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	ND			
Decabromophenyl ether (DecaBDE)	1163-19-5	25	25	ND			
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	ND			
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	25	25	ND			
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	25	ND			
Tris(1-aziridinyl) phosphine oxide (TEPA)	545-55-1	25	25	ND			
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	25	ND			
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	25	ND			
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	25	ND			

Footnote for boron flame retardant: Limit refers to the total elemental boron via ICP. If the total elemental boron content is higher than 500 µg/L, then all five boron flame retardant are non-conformant.



1K) Glycols / Glycol Ethers

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-ethoxyethanol	110-80-5	50	50	ND			
2-ethoxyethyl acetate	111-15-9	50	50	ND			
2-methoxyethanol	109-86-4	50	50	ND			
2-methoxyethylacetate	110-49-6	50	50	ND			
2-methoxypropylacetate	70657-70-4	50	50	ND			
Bis(2-methoxyethyl)-ether	111-96-6	50	50	ND			
Ethylene glycol dimethyl ether	110-71-4	50	50	ND			
Triethylene glycol dimethyl ether	112-49-2	50	50	ND			

1L) Halogenated Solvents

USEPA 5030B:1996; EPA 8260D:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-dichloroethane	107-06-2	1	1	ND			
Methylene chloride	75-09-2	1	1	ND			
Tetrachloroethylene	127-18-4	1	1	ND			
Trichloroethylene	79-01-6	1	1	ND			

1M) Organotin Compounds

ISO 17353:2004 ,GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dipropyltin compounds (DPT)	Multiple 867-36-7	0.01	0.01	ND			
Mono, di-, and tri-butyltin derivatives	Multiple 1118-46-3, 1461-22-9	0.01	0.01	ND			
Mono, di-, and tri-methyltin derivatives	Multiple 993-16-8, 753-73-1, 1066-45-1	0.01	0.01	ND			
Mono, di-, and tri-octyltin derivatives	Multiple 3091-25-6, 3542-36-7, 2587-76-0	0.01	0.01	ND			
Mono, di-, and tri-phenyltin derivatives	Multiple 1124-19-2, 1135-99-5, 639-58-7	0.01	0.01	ND			
Tetrabutyltin compounds (TeBT)	Multiple 1461-25-2	0.01	0.01	ND			
Tetraethyltin compounds (TeET)	Multiple 597-64-8	0.01	0.01	ND			
Tetraoctyltin compounds (TeOT)	Multiple 3590-84-9	0.01	0.01	ND			
Tricyclohexyltin (TCyHT)	Multiple 3091-32-5	0.01	0.01	ND			
Tripropyltin compounds (TPT)	Multiple 2279-76-7	0.01	0.01	ND			



1N) Other / Miscellaneous Chemicals

USEPA 8321B:2007, LC-MS; USEPA 3015A:2007; US EPA 6020B:2014, ICP-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	ND			
Bisphenol A	80-05-7	10	10	ND			
Borate (Borate, zinc salt)	12767-90-7	100	100	250			
Zinc salt (Borate, zinc salt)		100	100	6056			
Quinoline	91-22-5	50	50	ND			
Silica (particles of respirable size)	14464-46-1	NA	NA	NA			
Thiourea	62-56-6	50	50	ND			

Footnote for borate, zinc salt: Limit refers to boron and zinc individually, not the salt. Total boron and total zinc values should be less than 100 µg/L to be conformant. When total boron is >100 µg/L and total zinc is <100 µg/L (or vice versa), the sample is still conformant.

1O) Perfluorinated and Polyfluorinated Chemicals (PFCs)

USEPA 8321B: 2007, LC-MSMS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Perfluorooctane sulfonate (PFOS) and related substances	Multiple 1763-23-1	0.01	0.01	ND			
Perfluorooctanoic acid (PFOA) and related substances	Multiple 335-67-1	1	1	ND			

1P) Phthalates - including all other esters of ortho-phthalic acid

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)	71888-89-6/ 84777-06-0	10	10	ND			
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNU)	68515-42-4/ 68515-50-4	10	10	ND			
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	10	10	ND			
Butyl benzyl phthalate (BBP)	85-68-7	10	10	ND			
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	10	ND			
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	10	ND			
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	10	ND			
Di-iso-butyl phthalate (DIBP)	84-69-5	10	10	ND			
Di-iso-nonyl phthalate (DINP)	28553-12-0	10	10	ND			
Di-n-hexyl phthalate (DnHP)	84-75-3	10	10	ND			
Di-n-octyl phthalate (DNOP)	117-84-0	10	10	ND			
Di-n-pentylphthalates	131-18-0	10	10	ND			
Di-n-propyl phthalate (DPRP)	131-16-8	10	10	ND			
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	10	ND			
Dibutyl phthalate (DBP)	84-74-2	10	10	ND			
Diethyl phthalate (DEP)	84-66-2	10	10	ND			
Diisopentylphthalates	605-50-5	10	10	ND			
Dinonyl phthalate (DNP)	84-76-4	10	10	ND			



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1Q) Polycyclic Aromatic Hydrocarbons (PAHs)

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Acenaphthene	83-32-9	1	1	ND			
Acenaphthylene	208-96-8	1	1	ND			
Anthracene	120-12-7	1	1	ND			
Benzo[a]anthracene	56-55-3	1	1	ND			
Benzo[a]pyrene	50-32-8	1	1	ND			
Benzo[b]fluoranthene	205-99-2	1	1	ND			
Benzo[e]pyrene	192-97-2	1	1	ND			
Benzo[ghi]perylene	191-24-2	1	1	ND			
Benzo[j]fluoranthene	205-82-3	1	1	ND			
Benzo[k]fluoranthene	207-08-9	1	1	ND			
Chrysene	218-01-9	1	1	ND			
Dibenz[a,h]anthracene	53-70-3	1	1	ND			
Fluoranthene	206-44-0	1	1	ND			
Fluorene	86-73-7	1	1	ND			
Indeno[1,2,3-cd]pyrene	193-39-5	1	1	ND			
Naphthalene	91-20-3	1	1	ND			
Phenanthrene	85-01-8	1	1	ND			
Pyrene	129-00-0	1	1	ND			

**1R) Restricted Aromatic Amines (Cleavable from Azo-colourants)**

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
2-naphthylamine	91-59-8	0.1	0.1	ND			
2-naphthylammoniumacetate	553-00-4	0.1	0.1	ND			
2,4-xylidine	95-68-1	0.1	0.1	ND			
2,4,5-trimethylaniline	137-17-7	0.1	0.1	ND			
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	0.1	ND			
2,6-xylidine	87-62-7	0.1	0.1	ND			
3',3'-dichlorobenzidine	91-94-1	0.1	0.1	ND			
3,3-dimethoxybenzidine	119-90-4	0.1	0.1	ND			
3,3-dimethylbenzidine	119-93-7	0.1	0.1	ND			
4-aminoazobenzene	60-09-3	0.1	0.1	ND			
4-aminodiphenyl	92-67-1	0.1	0.1	ND			
4-chloro-o-toluidine	95-69-2	0.1	0.1	ND			
4-chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	ND			
4-chloroaniline	106-47-8	0.1	0.1	ND			
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	0.1	ND			
4-methoxy-m-phenylenediamine	615-05-4	0.1	0.1	ND			
4-methyl-m-phenylenediamine	95-80-7	0.1	0.1	ND			
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.1	ND			
4,4-methylenedi-o-toluidine	838-88-0	0.1	0.1	ND			
4,4-methylenedianiline	101-77-9	0.1	0.1	ND			
4,4-oxydianiline	101-80-4	0.1	0.1	ND			
4,4-thiodianiline	139-65-1	0.1	0.1	ND			
5-nitro-o-toluidine	99-55-8	0.1	0.1	ND			
6-methoxy-m-toluidine	120-71-8	0.1	0.1	ND			
Benzidine	92-87-5	0.1	0.1	ND			
o-aminoazotoluene	97-56-3	0.1	0.1	ND			
o-anisidine	90-04-0	0.1	0.1	ND			
o-toluidine	95-53-4	0.1	0.1	ND			

1S) UV Absorbers

USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw 1001			
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	100	ND			
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	100	ND			
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	100	100	ND			
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	100	ND			



1T) Volatile Organic Compounds (VOC)

USEPA 5030B:1996; EPA 8260D:2018; USEPA3510C:1996; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Benzene	71-43-2	1	1	ND			
m-cresol	108-39-4	1	1	ND			
o-cresol	95-48-7	1	1	ND			
p-cresol	106-44-5	1	1	ND			
Toluene	108-88-3	1	1	ND			
Xylene	1330-20-7	1	1	ND			



2) Test result - Wastewater / Metals

US EPA 3015A:2007; US EPA 6020B:2014, ICP-MS; GB/T 7467-1987, UV

Test Parameters	Reporting limit, TEXTILE				Legal limit#	Result (mg/L)			
	Foundational	Progressive	Aspirational	Lab		Effluent 1002			
Antimony	0.1	0.05	0.01	0.1	-	NA			
Chromium (VI)	0.05	0.005	0.001	0.001	-	ND			
Barium	Sample & report			-	-	NA			
Selenium	Sample & report			-	-	NA			
Tin	Sample & report			-	-	NA			
Arsenic	0.05	0.01	0.005	0.005	-	ND			
Total Chromium	0.2	0.1	0.05	0.05	-	NA			
Cobalt	0.05	0.02	0.01	0.01	-	NA			
Cadmium	0.1	0.05	0.01	0.01	-	ND			
Copper	1	0.5	0.25	0.25	-	NA			
Lead	0.1	0.05	0.01	0.01	-	ND			
Nickel	0.2	0.1	0.05	0.05	-	NA			
Silver	0.1	0.05	0.005	0.005	-	NA			
Zinc	5	1	0.5	0.5	-	NA			
Mercury	0.1	0.005	0.001	0.001	-	ND			

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.



3) Test result - Wastewater / Conventional and Anions

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit [#]	Result		Unit
		Foundational	Progressive	Aspirational	Lab		Effluent		
pH	HJ 1147-2020	6-9			NA	-	NA		pH
Temperature difference	GB/T 13195-1991	Δ+15	Δ+10	Δ+5	NA	-	NA		°C
E.coli	SM 9221B, SM 9221F	126 MPN/100-ml			126	-	NA		MPN/100-ml
Colour (436 nm)	ISO 7887-B:2011	7	5	2	NA	-	NA		m-1
Colour (525 nm)		5	3	1	NA	-	NA		
Colour (620 nm)		3	2	1	NA	-	NA		
Persistent foam	Visual estimation	No indication of persistent foam in receiving water			NA	-	NA		-
Wastewater flowrate	-	15 m ³ /day			NA	-	NA		m ³ /day
Ammonium-Nitrogen	HJ 535-2009	10	1	0.5	0.5	-	NA		mg/L
AOX	HJ/T 83-2001	3	0.5	0.1	0.1	-	NA		mg/L
BOD ₅	HJ 505-2009	30	15	8	8	-	NA		mg/L
COD	HJ 828-2017	150	80	40	40	-	NA		mg/L
DO	HJ 506-2009	≥ 4			4	-	NA		mg/L
Oil & Grease	HJ 637-2018	10	2	0.5	0.5	-	NA		mg/L
Total Phenols / Phenol Index	HJ 503-2009	0.5	0.01	0.001	0.001	-	NA		mg/L
Total Chlorine	HJ 586-2010	1			-	-	NA		mg/L
TDS	GB/T 5750.4-2006	Sample & report			-	-	NA		mg/L

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.



3) Test result - Wastewater / Conventional and Anions (continue)

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit [#]	Result		Unit	
		Foundational	Progressive	Aspirational	Lab		Effluent			
Total Nitrogen	HJ 636-2012	20	10	5	5	-	NA		mg/L	
Total Phosphorus	GB/T 11893-1989	3	0.5	0.1	0.1	-	NA		mg/L	
TSS	GB/T 11901-1989	50	15	5	5	-	NA		mg/L	
Chloride	HJ 84-2016	Sample & report				-	-	NA		mg/L
Cyanide, total	HJ 484-2009	0.2	0.1	0.05	0.05	-	NA		mg/L	
Sulphate	HJ 84-2016	Sample & report				-	-	NA		mg/L
Sulphide	HJ 1226-2021	0.5	0.05	0.01	0.01	-	NA		mg/L	
Sulphite	HJ 84-2016	2	0.5	0.2	0.2	-	NA		mg/L	

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.



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4A) Test result - Sludge / MRSL Sludge - AP & APEOs **Sludge Disposal Pathway = Not applicable**

USEPA 3550C:2007; ASTM D7065-17; ASTM D7742-17, LC-MS

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	0.4	NA			mg/kg
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	0.4	0.4	NA			mg/kg
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	0.4	0.4	NA			mg/kg
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	0.4	0.4	NA			mg/kg

Sludge - PAHs

USEPA 3550C:2007; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge			
Acenaphthene	83-32-9	0.2	0.2	NA			mg/kg
Acenaphthylene	208-96-8	0.2	0.2	NA			mg/kg
Anthracene	120-12-7	0.2	0.2	NA			mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	NA			mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	NA			mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	NA			mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	NA			mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	NA			mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	NA			mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	NA			mg/kg
Chrysene	218-01-9	0.2	0.2	NA			mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	NA			mg/kg
Fluoranthene	206-44-0	0.2	0.2	NA			mg/kg
Fluorene	86-73-7	0.2	0.2	NA			mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	0.2	NA			mg/kg
Naphthalene	91-20-3	0.2	0.2	NA			mg/kg
Phenanthrene	85-01-8	0.2	0.2	NA			mg/kg
Pyrene	129-00-0	0.2	0.2	NA			mg/kg

Sludge - Chlorotoluenes

USEPA 3550C:2007; USEPA 8270E:2018, GC-MS

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge			
Other isomers of mono-, di-, tri-, tetra-, and penta-chlorotoluene	Multiple 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/ 1006-32-2/ 875-40-1/ 877-11-2	0.2	0.2	NA			mg/kg



4B) Test result - Sludge / Metals **Sludge Disposal Pathway = Not applicable**

USEPA 3051A:2007; US EPA 6020B:2014, ICP-MS ;US EPA 7196A:1992, UV

Test Parameters	Reporting Limit		Maximum Total Metals Limits Diposal Pathway G	Threshold Values			Result			Unit
	TEXTILE	Lab					Sludge -			
Antimony	5	5	NA	12			NA			mg/kg
Arsenic	5	5	41	10			NA			mg/kg
Barium	200	200	500	700			NA			mg/kg
Cadmium	1	1	39	3			NA			mg/kg
Cobalt	400	400	NA	1600			NA			mg/kg
Copper	50	50	1500	200			NA			mg/kg
Lead	5	5	400	10			NA			mg/kg
Nickel	20	20	420	70			NA			mg/kg
Selenium	5	5	36	10			NA			mg/kg
Silver	50	50	NA	100			NA			mg/kg
Zinc	400	400	2800	1000			NA			mg/kg
Total Chromium	50	50	1200	100			NA			mg/kg
Chromium (VI)	20	20	50	50			NA			mg/kg
Mercury	1	1	17	1			NA			mg/kg

Test result - Leachate / Metals **Sludge Disposal Pathway = Not applicable**

HJ/T 300-2007; US EPA 3015A:2007; US EPA 6020B:2014, ICP-MS; US EPA 7196A:1992, UV

Test Parameters	Reporting Limit	Sludge disposal pathway							Result			Unit
	Lab	A, B, C	D	E	F	G			Leachate -			
Antimony	-	NA	7.8	0.6	0.6	0.6			NA			mg/L
Arsenic	-	NA	2.75	0.5	0.5	0.5			NA			mg/L
Barium	-	NA	67.5	35	35	35			NA			mg/L
Cadmium	-	NA	0.58	0.15	0.15	0.15			NA			mg/L
Cobalt	-	NA	80	80	80	80			NA			mg/L
Copper	-	NA	17.5	10	10	10			NA			mg/L
Lead	-	NA	2.75	0.5	0.5	0.5			NA			mg/L
Nickel	-	NA	11.75	3.5	0.5	3.5			NA			mg/L
Selenium	-	NA	0.75	0.5	0.5	0.5			NA			mg/L
Silver	-	NA	5	5	5	5			NA			mg/L
Zinc	-	NA	50	50	50	50			NA			mg/L
Total Chromium	-	NA	5	5	5	5			NA			mg/L
Chromium (VI)	-	NA	3.75	2.5	2.5	2.5			NA			mg/L
Mercury	-	NA	1.25	0.5	0.5	0.5			NA			mg/L



4C) Test result - Sludge / Conventional & Anion			Sludge Disposal Pathway =					Not applicable			
Test Parameters	Test Method	Reporting Limit	Sludge disposal pathway					Result			Unit
		Lab	A, B, C	D	E	F	G	Sludge			
pH	HJ 962-2018	NA	NA	5-11	5-11	6.5-9	6.5-9	NA			-
Fecal Coliform	EPA 1681:2006	-	NA	NA	NA	<1000	<1000	NA			MPN/g
% Solids	HJ 613-2011	NA	Sample & report					NA			%
Paint Filter Test	EPA 9095B:2004	NA	NA	Pass	Pass	Pass	Pass	NA			-
Cyanide	HJ 745-2015	70	NA	85	70	70	70	NA			mg/kg

Appendix A - Discharge limit according to regulation
 当前位置：水污染物排放信息审核

1、废水污染物排放许可限值
(1) 主要排放口

排放口编号	排放口名称	污染物种类	许可排放浓度限值 (mg/L)
DW001	综合废水排放口	氨氮 (NH ₃ -N)	20mg/L
DW001	综合废水排放口	色度	80
DW001	综合废水排放口	五日生化需氧量	150mg/L
DW001	综合废水排放口	流量	/
DW001	综合废水排放口	悬浮物	100mg/L
DW001	综合废水排放口	苯胺类	1.0mg/L
DW001	综合废水排放口	总氮 (以N计)	30mg/L
DW001	综合废水排放口	pH值	6-9
DW001	综合废水排放口	总磷 (以P计)	1.5mg/L
DW001	综合废水排放口	硫化物	0.5mg/L
DW001	综合废水排放口	化学需氧量	500mg/L
主要排放口合计			CODcr
			氨氮
			总磷 (以P计)
			总氮 (以N计)
			流量

Appendix B - Photos of sampling points and samples (with relative time and date)

Photo of sampling point
05/03/2025, 10:36



Untreated Wastewater

Photo of sample (labelled sample bottle)
05/03/2025, 10:36



Untreated Wastewater

Photo of sampling point
05/03/2025, 10:05



Effluent

Photo of sample (labelled sample bottle)
05/03/2025, 10:05



Effluent

Photo of persistent foam
05/03/2025, 10:05

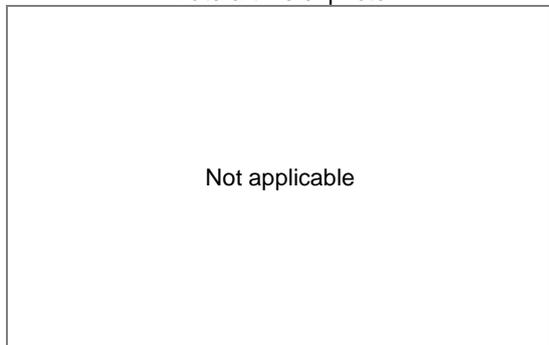


Effluent



Appendix B - Photos of sampling points and samples (with relative time and date) (continue)

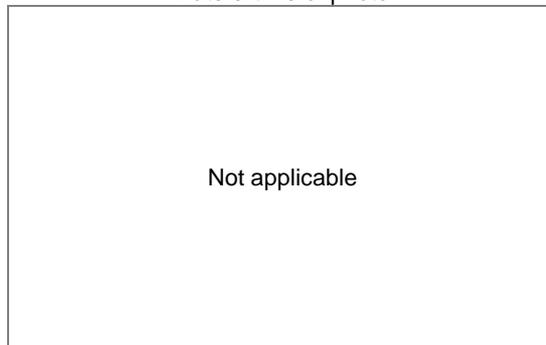
Photo of sampling point
Date & time of photo



Not applicable

Sludge

Photo of sample (labelled sample bottle)
Date & time of photo



Not applicable

Sludge



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Appendix C - Field Data Form

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration		CPSD-AN-00613-DATA 07
		Issue Date:
		Version No.: 1
		Business Line: Analytical

Attach the completed field data form in the test report.

Facility Information		
Date of Sampling: 采样日期	2025.03.05	
Sample Number / Test Report Number (ZDHC Composite Sample Code): 报告号	6625 064 0115	
Facility Name: 工厂名称	张家港毛振新印染有限公司	
Facility Address: 工厂地址	张家港毛振新镇新芳路五号门	
Facility Type (tick all applicable): 工厂类型	<input checked="" type="checkbox"/> Dyeing and Finishing 染色 <input type="checkbox"/> Laundry, Washing and Finishing 洗衣, 水洗, 整理 <input type="checkbox"/> Printing 印花 <input type="checkbox"/> Other (please specify) 其他 (请注明)	
Discharge Type (tick applicable): 排放类型	<input checked="" type="checkbox"/> Direct discharge 直接排放 <input type="checkbox"/> Indirect discharge 间接排放 <input type="checkbox"/> Zero liquid discharge (ZLD) 零液体排放	
Discharge Description: 排放说明	<input checked="" type="checkbox"/> Spillage treatment plant 污水处理厂 <input type="checkbox"/> Discharge to environment (e.g. river/河, stream/溪流, sea etc/海洋)	
Discharge Volume: 排放量	<input checked="" type="checkbox"/> ≥ 15m ³ per day 每天 ≥ 15m ³ <input type="checkbox"/> < 15m ³ per day 每天 < 15m ³	

Sample Type and Details 样品类型和详细信息		
Sample Type	Sample Details	
<input type="checkbox"/> Incoming Water 进水		
<input checked="" type="checkbox"/> Untreated WW 未处理	<input checked="" type="checkbox"/> With equalisation tank (EQT) present 存在均衡池 (EQT) Hydraulic Retention Time (HRT) (Hours): 水力停留时间 (HRT) (小时) = volume of tank (m ³) / flow rate (m ³ /h) if HRT > 12 h, grab sampling from EQT is allowed.	
<input checked="" type="checkbox"/> Effluent 排放物	<input checked="" type="checkbox"/> Direct 直接排放 <input type="checkbox"/> Indirect 间接排放 Enter sampling time(s) in page 2 and take field test measurements. 在第2页中输入采样时间, 并进行现场测试测量。 <input type="checkbox"/> Facility has WWTP 工厂拥有污水处理厂 <input type="checkbox"/> Plant is in operating condition 工厂处于运行状态	
<input type="checkbox"/> Sludge 污泥	Disposal Pathway 处置途径 (The pathway must be defined by the facility. If the facility cannot provide information, pathway "F" shall be assumed.) <input type="checkbox"/> A >1000°C offsite incineration <input type="checkbox"/> B 有重大控制措施的填埋 <input type="checkbox"/> C 建筑材料加工温度 >1000°C <input type="checkbox"/> D 有限制控制的填埋 <input type="checkbox"/> E 焚烧/建筑材料加工 <1000°C <input type="checkbox"/> F 无控制措施的填埋 <input type="checkbox"/> G 土地施用 Sludge flux (weight/time) if applicable: 污泥流量 (重量/时间) (如适用)	

ZDHC Wastewater Sampling - Facility Confirmation ZDHC 废水取样-设施确认			
The wastewater samples have been collected under the facilities' normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples. Sampling protocol for wastewater and sludge samples are in accordance with ZDHC SAP including appendix E. 废水和污泥样品的取样方案符合 ZDHC SAP, 包括附录 E。 In no circumstances shall samples be taken during times when the production process is not running or the wastewater is diluted, for example due to heavy rainfall. 在任何情况下, 当生产过程未运行或废水被稀释时, 例如由于强降雨, 都不得取样。			
Facility Confirmation		Sampler Information	
Facility Name: 工厂名	张家港毛振新印染有限公司	Sampler's Name/ 姓名/ 电子邮箱	汪磊
Facility Representative Name: 工厂负责人	李庆涛	Sampler's ZDHC Accredited No.: 采样员的 ZDHC 证书编号	/
Facility Representative Signature and Stamp: 工厂代表签名及盖章		Sampler's Signature: 采样员签名	汪磊
Date: 日期	25.3.5	Date: 日期	2025.03.05



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Appendix C - Field Data Form (continue)

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration										CPSD-AN-00613-DATA 07	
代表行产品声明										Issue Date:	
										Version No.: 1	
										Business Line: Analytical	
ZDHC Wastewater Flow Device Dimensions											
Measurement (cm)	Meter	Pipe (O)	Flume (U)	Wier (V)							
Diameter	--	--	--	--							
Depth	--	--	--	--							
ZDHC Wastewater Sampling Field Testing QA/QC											
Parameter	Lab Control Sample (LCS)	Lab Control Sample (LCS)	Accuracy (%)								
pH	--	--	--								
Total Chlorine	--	--	--								
ZDHC Wastewater Sample Collection Field Test Measurements											
Incoming Sample Point	Composite Sample		Grab Sample	Start Time	Stop Time						
Sampling Locations	GPS coordinates		Lat.: N / S	Long.: E / W							
Sampling Mode	Manual		Autosampler	Sampling Device Description/ Owner							
Sampling Time (Hours)	0	1	2	3	4	5	6	Average			
Recording time of discrete sample											
Colour (visual estimation)											
Untreated Sample Point	Composite Sample		Grab Sample	Start Time	Stop Time						
Sampling Locations	GPS coordinates		Lat.: N + S	Long.: E + W							
Sampling Mode	Manual		Autosampler	Sampling Device Description/ Owner							
Sampling Time (Hours)	0	1	2	3	4	5	6	Average			
Recording time of discrete sample											
Colour (visual estimation)											
Effluent Sample Point	Composite Sample		Grab Sample	Start Time	Stop Time						
Sampling Locations	GPS coordinates		Lat.: N + S	Long.: E + W							
Sampling Mode	Manual		Autosampler	Sampling Device Description/ Owner							
Sampling Time (Hours)	0	1	2	3	4	5	6	Average			
Recording time of discrete sample											
Temperature (°C)	WW Discharge	Receiving Water									
pH											
Dissolved Oxygen (mg/L)											
Total Chlorine (mg/L)											
Persistent Foam (Yes/ No)	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
Wastewater Flow Meter (L/min)	300m ³ /day										
Alternate Measured Flow	Depth (cm)	Velocity (cm/sec)									
Colour (visual estimation)											
Volume collected (L)	750ml										
Total volume collected (L)	750ml										
Sludge Sample Point	Composite Sample		Start Time	Stop Time							
Sampling Locations	GPS coordinates		Lat.: N / S	Long.: E / W							
Sampling Mode	Manual		Autosampler	Sampling Device Description/ Owner							
Sampling Time (Hours)	0	1	2	3	4	5	6	Average			
Recording time of discrete sample											
Colour (visual estimation)											
Comments/ Other Observations											