LAB REPORT

Report number	(9325)062-0924		
Date of sampling (dd/mm/yyyy)	04/03/2025		
Date of report (dd/mm/yyyy)	13/03/2025		
Factory company name	Shaoguan Beijiang Smart Textile Technology Co.,Ltd		
Factory address	D3 Qujiang Economic Development Zone， Qujiang District,Shaoguan, Guangdong		
Discharge type	Indirect Discharge with Pretreatment		
Discharge destination name & address	Discharge to Baitu Wushui Chulichang		
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), <12h Yes (effluent), >12h
ZDHC sampler accreditation certification number		C74D106817272 C74D106817263	
Sample description & Sample collection method			
Untreated wastewater (raw)	I001, black liquid, composite sample at 10:20, 11:20, 12:15, 13:15, 14:10, 15:10, 16:10		
Discharged wastewater (effluent)	I002, light yellow liquid, composite sample at 10:25, 11:25, 12:20, 13:20, 14:15, 15:15, 16:15		
Sludge	I003, black solid, composite sample at 14:55		
Local legal data			
Local legal standard name & number [a]	Discharge standards of water pollutants for dyeing and finishing of textile industry GB 4287-2012, Dischrage limits of water pollutants DB44/ 26—2001		
Parameters (ZDHC WWG V2.2, Table 2 & 3) exceeded local regulation	Not applicable		
Discharge permit provided	Yes		
ZDHC overall results			
Wastewater MRSL	Not detected		
Wastewater metals	Meet aspirational limit		
Wastewater conventional and anions	Not applicable		
Sludge disposal pathway	E	**Sludge**	Meet disposal pathway

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Internal Description	
Sample reference number	(9325)062-0924
Date & time of the beginning of sampling	04/03/2025, 10:20
Date & time of the end of sampling	04/03/2025, 16:15
Sample received date	05/03/2025
Testing period	From 04/03/2025 to 13/03/2025
Sample holding time exceeded	No
Sample temperature when received from lab	7.4 °C
Comments	No comments

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

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(86)20-22902088

For and on behalf of
Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd

Nina Ren, Senior Manager

Summary of test results

Wastewater / MRSL - Test Items	Raw I001
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	ND
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 I002**
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 = E**

Sludge / Sludge Parameters - Test Items	Sludge I003
AP and APEOs	Meet disposal pathway
PAHs	Meet disposal pathway
Chlorotoluenes	Meet disposal pathway
Antimony	Meet disposal pathway
Arsenic	Meet disposal pathway
Barium	Meet disposal pathway
Cadmium	Meet disposal pathway
Cobalt	Meet disposal pathway
Copper	Meet disposal pathway
Lead	Meet disposal pathway
Nickel	Meet disposal pathway
Selenium	Meet disposal pathway
Silver	Meet disposal pathway
Zinc	Meet disposal pathway
Total Chromium	Meet disposal pathway
Chromium (VI)	Meet disposal pathway
Mercury	Meet disposal pathway
pH	Meet disposal pathway
Fecal Coliform	NA
% Solids	Report only
Paint Filter Test	Meet disposal pathway
Cyanide	Meet disposal pathway

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 - Guangdong Zengyuan Testing Technology Co., Ltd.

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

ISO 18857-2, ASTM D7065

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	5	ND			
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	5	5	ND			
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	5	5	ND			
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	5	5	ND			

1B) Anti-Microbials & Biocides

EPA 3510C:1996, EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
o-Phenylphenol (+salts)	90-43-7	100	100	ND			
Triclosan	3380-34-5	100	100	ND			
Permethrin	Multiple 52645-53-1	500	500	ND			

1C) Chlorinated Parafins

EPA 3510C:1996, ISO 18219-2:2021, ISO 12010:2019

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
MCCPs (C14-C17)	85535-85-9	500	500	ND			
SCCPs (C10'-C13)	85535-84-8	25	25	ND			

1D) Chlorobenzenes and Chlorotoluenes

EPA 8270E:2018

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

USEPA 8270E, BS EN 12673-1999

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)

EPA 8015, EPA 8270E:2018

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

EPA 8321B:2007

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
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)

EPA 8321B:2007

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
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

EPA 8321B:2007

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Component 1: C39H23Cl-CrN7O12S 2Na Component 2: C46H-30CrN10O20S2 3Na	118685-33-9 Not allocated	NA	NA	NA			

1J) Flame Retardants

USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B, EPA 3015A:2007, EPA 6020B:2014

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
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) phosphone 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

EPA 8270E:2018

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-methyloxypropylacetate	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

EPA 8260D:2018

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

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	Mutiple 1124-19-2, 1135-99-5, 639-58-7	0.01	0.01	ND			
Tetrabutyltin componuds (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

EPA 3510C:1996, EPA 8321B:2007

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	ND			
Zinc salt (Borate, zinc salt)		100	100	232			
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)

EPA 537:2020, FTOH: BS EN 12673-1999, EPA 8270, PFCs: LC-MSMS, FTOH: GC-MS derivatisation with acetic

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

USEPA 8270E, ISO 18856, EPA 3510C:1996, EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-benzenedicarboxylic acid, di-C6-8 branched and liearalkyl esters, C7-rich (DIHP)	71888-89-6/ 84777-06-0	10	10	ND			
1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl esters (DHNUP)	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			

1Q) Polycyclic Aromatic Hydrocarbons (PAHs)

USEPA 8270E DIN 38407-39

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)

EPA 3510C:1996 , EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
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-dimethoxylbenzidine	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

EPA 3510C:1996 , EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
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)

EPA 8260D:2018

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

EPA 3015A:2007, EPA 6020B:2014, ISO 11885:2007, GB/T 7467-1987

Test Parameters	Reporting limit, TEXTILE				Legal limit#	Result (mg/L)			
	Foundational	Progressive	Aspirational	Lab		Effluent I002			
Antimony	0.1	0.05	0.01	0.01	-	NA			
Chromium (VI)	0.05	0.005	0.001	0.001	-	ND			
Barium	Sample & report			1	-	NA			
Selenium	Sample & report			1	-	NA			
Tin	Sample & report			1	-	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 I002		
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	0.1	-	NA		m-1
Colour (525 nm)		5	3	1	0.1	-	NA		
Colour (620 nm)		3	2	1	0.1	-	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	0.5	-	NA		mg/L
COD	HJ 828-2017	150	80	40	4	-	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 585-2010, HJ 586-2010	1			0.04	-	NA		mg/L
TDS	GB/T 5750.4-2023	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 I002		
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			0.007	-	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			0.018	-	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.

4A) Test result - Sludge / MRSL **Sludge Disposal Pathway = E**

Sludge - AP & APEOs

ISO 18857-2, ASTM D7065, ISO 18254-1, EPA 3540C:1996, EPA 8321B:2007

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	0.4	ND			mg/kg
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	0.4	0.4	ND			mg/kg
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	0.4	0.4	ND			mg/kg
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	0.4	0.4	ND			mg/kg

Sludge - PAHs

USEPA 3540/3541, USEPA 3550, USEPA 3640, USEPA 827, EPA 3540C:1996, EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
Acenaphthene	83-32-9	0.2	0.2	ND			mg/kg
Acenaphthylene	208-96-8	0.2	0.2	ND			mg/kg
Anthracene	120-12-7	0.2	0.2	ND			mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	ND			mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	ND			mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	ND			mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	ND			mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	ND			mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	ND			mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	ND			mg/kg
Chrysene	218-01-9	0.2	0.2	ND			mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	ND			mg/kg
Fluoranthene	206-44-0	0.2	0.2	ND			mg/kg
Fluorene	86-73-7	0.2	0.2	ND			mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	0.2	ND			mg/kg
Naphthalene	91-20-3	0.2	0.2	ND			mg/kg
Phenanthrene	85-01-8	0.2	0.2	ND			mg/kg
Pyrene	129-00-0	0.2	0.2	ND			mg/kg

Sludge - Chlorotoluenes

USEPA 3540/3541, USEPA 3550, USEPA 3640, USEPA 827, EPA 3540C:1996, EPA 8270E:2018

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
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	ND			mg/kg

4B) Test result - Sludge / Metals — Sludge Disposal Pathway = E

EPA 3050, EPA 6020B, USEPA 3060a, USEPA 7196

Test Parameters	Reporting Limit		Maximum Total Metals Limits Disposal Pathway G	Threshold Values			Result			Unit
	TEXTILE	Lab					Sludge I003			
Antimony	5	5	NA	12			ND			mg/kg
Arsenic	5	5	41	10			ND			mg/kg
Barium	200	200	500	700			ND			mg/kg
Cadmium	1	1	39	3			ND			mg/kg
Cobalt	400	400	NA	1600			ND			mg/kg
Copper	50	50	1500	200			ND			mg/kg
Lead	5	5	400	10			ND			mg/kg
Nickel	20	20	420	70			ND			mg/kg
Selenium	5	5	36	10			ND			mg/kg
Silver	50	50	NA	100			ND			mg/kg
Zinc	400	400	2800	1000			ND			mg/kg
Total Chromium	50	50	1200	100			ND			mg/kg
Chromium (VI)	20	20	50	50			ND			mg/kg
Mercury	1	1	17	1			ND			mg/kg

Test result - Leachate / Metals — Sludge Disposal Pathway = E

EPA1311-1992 extraction, EPA 3015A:2007, EPA 6020B:2014, ISO 11885:2007, GB/T 7467-1987

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 = E**

Test Parameters	Test Method	Reporting Limit	Sludge disposal pathway					Result			Unit
		Lab	A, B, C	D	E	F	G	Sludge I003			
pH	HJ 962-2018	NA	NA	5-11	5-11	6.5-9	6.5-9	7.79			-
Fecal Coliform	EPA 1681	NA	NA	NA	NA	<1000	<1000	NA			MPN/g
% Solids	HJ 613-2011	-	Sample & report					36.49			%
Paint Filter Test	EPA 9095B	NA	NA	Pass	Pass	Pass	Pass	PASS			-
Cyanide	HJ 745-2015	70	NA	85	70	70	70	ND			mg/kg

Appendix A - Discharge limit according to regulation

（二）排放许可限值

表 9 废水污染物排放

序号	排放口编号	排放口名称	污染物种类	许可排放浓度限值	许可年排放量限值（t/a）				
					第一年	第二年	第三年	第四年	第五年
主要排放口									
1	DW001	工业废水总排口	色度	80	/	/	/	/	/
2	DW001	工业废水总排口	五日生化需氧量	50mg/L	/	/	/	/	/
3	DW001	工业废水总排口	总锑	0.10mg/L	/	/	/	/	/
4	DW001	工业废水总排口	总磷（以 P 计）	1.5mg/L	/	/	/	/	/
5	DW001	工业废水总排口	总氮（以 N 计）	30mg/L	/	/	/	/	/
6	DW001	工业废水总排口	化学需氧量	200mg/L	/	/	/	/	/
7	DW001	工业废水总排口	悬浮物	100mg/L	/	/	/	/	/

序号	排放口编号	排放口名称	污染物种类	许可排放浓度限值	许可年排放量限值（t/a）				
					第一年	第二年	第三年	第四年	第五年
8	DW001	工业废水总排口	氨氮（NH3-N）	20mg/L	/	/	/	/	/
9	DW001	工业废水总排口	二氧化氯	0.5mg/L	/	/	/	/	/
10	DW001	工业废水总排口	pH 值	6-9	/	/	/	/	/
11	DW001	工业废水总排口	动植物油	100mg/L	/	/	/	/	/
12	DW001	工业废水总排口	硫化物	0.5mg/L	/	/	/	/	/
13	DW001	工业废水总排口	可吸附有机卤化物	12mg/L	/	/	/	/	/
14	DW001	工业废水总排口	苯胺类	1mg/L	/	/	/	/	/
15	DW003	车间废水排放口	六价铬	0.5mg/L	/	/	/	/	/

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

Photo of sampling point
04/03/2025, 10:37

Untreated Wastewater

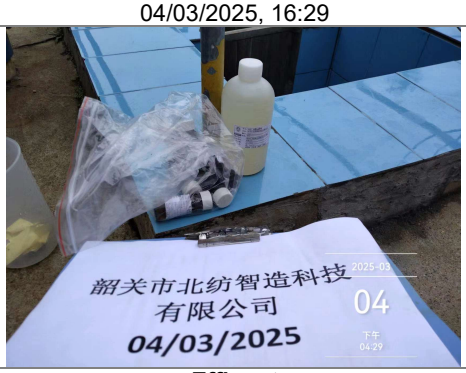
Photo of sample (labelled sample bottle)
04/03/2025, 16:22

Untreated Wastewater

Photo of sampling point
04/03/2025, 10:44

Effluent

Photo of sample (labelled sample bottle)
04/03/2025, 16:29



Effluent

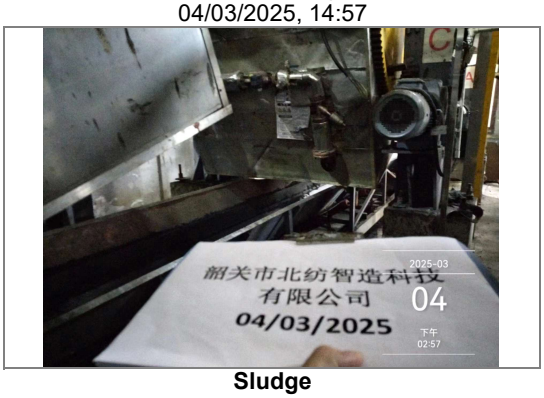
Photo of persistent foam
Date & time of photo

Not applicable

Effluent

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

Photo of sampling point
04/03/2025, 14:57



Sludge

Photo of sample (labelled sample bottle)
04/03/2025, 15:03

Sludge

Appendix C - Field Data Form

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration	CPSD-AN-00613-DATA 07
	Issue Date: February 20, 2024
	Version No.: 1
	Business Line: Analytical

Attach the completed field data form in the test report.

Facility Information		
Date of Sampling:	06/03/2025	
Sample Number (ZDHC Composite Sample Code):	93250620924	
Facility Name:	韶关市[illegible]科技有限公司	
Facility Address:	韶关市曲江[illegible]	
Facility Type (tick all applicable):	☑ Dyeing and Finishing ○ Laundry, Washing and Finishing ○ Printing ○ Other (please specify)	○ Fabric Mill ○ Natural Leather processing ○ synthetic Leather processing
Discharge Type (tick applicable):	○ Direct discharge ☑ Indirect discharge ○ Zero liquid discharge (ZLD)	☑ with pre-treatment ○ without pre-treatment ○ with own ETP Other Notes:
Discharge Description:	○ Discharge to environment (e.g. river, stream, sea etc.) ☑ Sewage treatment plant	○ Other (please specify) 至: 白土污水处理厂
Discharge Volume:	☑ ≥ 15m³ per day	○ < 15m³ per day

日排: 1600t/d Te. Leslie 06/03/2025 Adress: 韶关市曲江区白土镇

Sample Type and Details	
Sample Type	Sample Details
	800m³/d
○ Incoming Water	
☑ Untreated WW	○ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): ______ = volume of tank (m³) / flow rate (m³/h) If HRT > 12 h, grab sampling from EQT is allowed.
☑ Effluent	○ Direct — Enter sampling time(s) in page 2 and take field test measurements. ☑ Indirect — Enter sampling time(s) in page 2. No field test measurements required except on client's request. ☑ Facility has WWTP ☑ Plant is in operating condition ○ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): ______ = volume of tank (m³) / flow rate (m³/h) If HRT > 12 h, grab sampling from EQT is allowed.
☑ Sludge	Disposal Pathway (The pathway must be defined by the facility. If the facility cannot provide information, pathway "F" shall be assumed.) ○ A >1000°C offsite incineration ○ B Landfill with significant control ○ C Building products processed >1000°C ○ D Landfill with limited control ☑ E Incineration/ Building products processed <1000°C ○ F Landfill with no control ○ G Land application Sludge flux (weight/time) if applicable:

ZDHC Wastewater Sampling - Facility Confirmation

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. 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.

Facility Confirmation		Sampler Information	
Facility Name:	韶关市[illegible]科技有限公司	Sampler's Name/ Email:	林[illegible] 黄[illegible]
Facility Representative Name:	黄[illegible] 13415688863	Sampler's ZDHC Accredited No.:	[illegible]
Facility Representative Signature and Stamp:	黄[illegible] [stamp: ...TECHNOLOGY]	Sampler's Signature:	林[illegible] 黄[illegible]
Date:	2025.3.4	Date:	06/03/2025

Appendix C - Field Data Form (continue)

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration	CPSD-AN-00613-DATA 07
	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) Known			Lab Control Sample (LCS) Measured			Accuracy (%)	
pH								
Total Chlorine								
ZDHC Wastewater Sample Collection Field Test Measurements								
Incoming Sample Point	○ Composite Sample		○ Grab Sample		Start Time:		Stop Time:	
Sampling Locations: I001	GPS coordinates:		Lat.: N / S		Long.: E / W			
Sampling Mode: Wer mx. 3/4 hog	○ 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: I001	GPS coordinates:		Lat.: N / S 24°40'18"		Long.: E / W 113°30'35"			
Sampling Mode:	☑ Manual		○ Autosampler - Sampling Device Description/ Owner:					
Sampling Time (Hours)	0	1	2	3	4	5	6	Average
Recording time of discrete sample	10:20	11:20	12:15	13:15	14:10	15:10	16:10	--
Colour (visual estimation):	Black	Black	Black	Black	Black	Black	Black	Black
Effluent Sample Point	☑ Composite Sample		○ Grab Sample		Start Time:		Stop Time:	
Sampling Locations: I002	GPS coordinates:		Lat.: N / S 24°20'15"		Long.: E / W 113°30'37"			
Sampling Mode:	☑ Manual		○ Autosampler - Sampling Device Description/ Owner:					
Sampling Time (Hours)	0	1	2	3	4	5	6	Average
Recording time of discrete sample	10:25	11:25	12:20	13:20	14:15	15:15	16:15	-
Temperature (°C): WW Discharge								
Temperature (°C): 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
Wastewater Flow Meter (L/min):								
Alternate Measured Flow: Depth (cm)								
Alternate Measured Flow: Velocity (cm/sec)								
Colour (visual estimation):	Light yellow	Light yellow	Light yellow	Light yellow	Light yellow	Light yellow	Light yellow	Light yellow
Volume collected (L):	3	3	3	3	3	3	3	
Total volume collected (L):	21		Collect 3.33-litres each hour for a total minimum volume of 20-litres					
Sludge Sample Point	☑ Composite Sample				Start Time:		Stop Time:	
Sampling Locations I003	GPS coordinates:		Lat.: N / S 24°40'18"		Long.: E / W 113°30'36"			
Sampling Mode	☑ Manual		○ Autosampler - Sampling Device Description/ Owner:					
Sampling Time (Hours)	0	1	2	3	4	5	6	Average
Recording time of discrete sample	14:55							--
Colour (visual estimation):	Black							
Comments/ Other Observations								