

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Date : Oct 27, 2023

Factory's name	:	KWONG HING (ZHONGSHAN) WEAVING DYEING & PRINTING CO., LTD.
Factory's address	:	NO.18, GUANGXIN ROAD, DA YAN INDUSTRIAL ZONE, HUANG-PU TOWN, ZHONG SHAN CITY, GUANG DONG PROVINCE, CHINA
Type of wastewater discharge	:	Direct discharge
On-site Wastewater treatment plant	:	With wastewater treatment plant
Average total industrial wastewater generated	:	≥ 15m ³ /day
Date and time of the beginning of sampling:		[12 Oct, 2023] [10:12]
Date and time of the end of sampling:		[12 Oct, 2023] [16:20]
Date received sample:		[12 Oct, 2023]
Testing period:		From 12 Oct, 2023 to 26 Oct, 2023
Arrival temperature at laboratory:		[5.8 °C]
Sample type	:	
Sample / Untreated wastewater	:	[Black, composite sample at 10:12, 11:12, 12:12, 13:12, 14:12, 15:12, 16:12 [Sampling location: Latitude 22°45'N, Longitude 113°21'E]
Sample / Effluent	:	[Light Yellow, composite sample at 10:20, 11:20, 12:20, 13:20, 14:20, 15:20, 16:20] [Sampling location: Latitude 22°45'N, Longitude 113°21'E]
Sample / Sludge	:	[Brown, composite sample at 11:39] [Sampling location: Latitude 22°45'N, Longitude 113°21'E]
Sampling laboratory	:	Intertek Testing Services Shenzhen Ltd.
Testing laboratory	:	Intertek Testing Services Shenzhen Ltd.
ZDHC sampler accreditation certification number	:	[C74D106817396]

Tests conducted:

As requested by a brand program, for details refer to attached page(s).

Prepared And Checked By:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



James Ma

Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号 401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Summary of test results:

Wastewater / MRSL - Test items ^(S)	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	ND
Anti-Microbials & Biocides	ND
Chlorinated Parafins	ND
Chlorobenzenes and Chlorotoluenes	ND
Chlorophenols	ND
Dimethyl Formamide (DMFa) (*)	ND
Dyes – Carcinogenic or Equivalent Concern	ND
Dyes – Disperse (Allergenic)	ND
Dyes – Navy Blue Colourant	ND
Flame Retardants	ND
Glycols / Glycol Ethers	ND
Halogenated solvents	D
Organotin compounds	ND
Other/Miscellaneous Chemicals (^)	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	D
Phthalates (Ortho-phthalates)	ND
Polycyclic aromatic hydrocarbons (PAHs)	ND
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ND
UV Absorbers	ND
Volatile Organic Compounds (VOC)	D

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd.Guangzhou Branch



James Ma
Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd.Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号 401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Wastewater / Heavy metals - Test items ^(S)	Effluent		
	Foundational	Progressive	Aspirational
Antimony			Meet
Chromium (VI)	Meet		
Barium	Report only, refer data		
Selenium	Report only, refer data		
Tin	Report only, refer data		
Arsenic			Meet
Chromium (total)			Meet
Cobalt			Meet
Cadmium			Meet
Copper			Meet
Lead			Meet
Nickel			Meet
Silver			Meet
Zinc			Meet
Mercury			Meet

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd.Guangzhou Branch



James Ma
Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd.Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号 401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Wastewater / Conventional parameters - Test items ^(S)	Effluent		
	Foundational	Progressive	Aspirational
pH ^[f]	Meet		
Temperature difference ^[f]			Meet
E.coli	Meet		
Colour			Meet
Persistent foam ^[f]	Meet		
Wastewater flowrate ^[f]	Report only, refer data		
Ammonium-Nitrogen		Meet	
AOX		Meet	
Biochemical Oxygen Demand (BOD5)			Meet
Chemical Oxygen Demand (COD)			Meet
Dissolved Oxygen (DO) ^[f]	Report only, refer data		
Oil & Grease			Meet
Total Phenols / Phenol Index			Meet
Total Chlorine ^[f]	Report only, refer data		
Total Dissolved Solids (TDS)	Report only, refer data		
Total Nitrogen			Meet
Total Phosphorus			Meet
Total Suspended Solids (TSS)		Meet	

Wastewater / Anions - Test items ^(S)	Effluent		
	Foundational	Progressive	Aspirational
Chloride	Report only, refer data		
Cyanide, total			Meet
Sulfate	Report only, refer data		
Sulfide		Meet	
Sulfite			Meet

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd.Guangzhou Branch



James Ma
Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd.Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Sludge – Disposal Pathways^(S)

C

Sludge / Heavy metals - Test items ^(S)	Sludge (Total)	Sludge (Leachate)
Antimony	Not Meet	Meet
Arsenic	Not Meet	Meet
Barium	Meet	-
Cadmium	Meet	-
Cobalt	Meet	-
Copper	Not Meet	Meet
Lead	Not Meet	Meet
Nickel	Not Meet	Meet
Selenium	Meet	-
Silver	Meet	-
Chromium (total)	Not Meet	Meet
Zinc	Not Meet	Meet
Chromium VI	Meet	-
Mercury	Not Meet	Meet

Sludge / Anion - Test items ^(S)	Sludge
Cyanide	Meet

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd.Guangzhou Branch



James Ma
Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd.Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号 401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Sludge / Conventional parameters - Test items ^(S)	Sludge
pH	Meet
% Solids	Report only, refer data
Paint filter test	Report only, refer data
Faecal coliform	Report only, refer data

Sludge / MRSL - Test items ^(S)	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	Report only, refer data
Polycyclic Aromatic Hydrocarbons (PAHs)	Report only, refer data
Chlorotoluenes	Report only, refer data

Note :	
ND = Not detected (less than reporting limit)	
D = Detected	
N/A = Not applicable	- = Did not perform
# = No comment	* = See Remark
^(S) = The samples were subcontracted to Intertek [Shenzhen] for testing.	
(T) = If sample temperature is greater than 8°C and less than 10°C when received from the laboratory.	
(TT) = If sample temperature is exceeded 10°C when received from the laboratory.	
@ = Maximum holding time exceeded.	
(*) = Sample and report for mock leather.	
(^) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L.	
^[†] = On-site test by sampler.	

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



James Ma
Textile lab Senior Manager

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China

深圳天祥质量技术服务有限公司 广州分公司

广州市黄埔区保盈东路8号 401房、501房、601房、801房、901房、1003房

Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730

www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Sample / Wastewater

- 1 Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers:

NP/OP: With reference to ISO 18857-2 (modified dichloromethane extraction) with GC-MS analysis.

OPEO/NPEO (n>2): With reference to ASTM D7742 or ISO 18857-2 with GC-MS and LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	5	ND	µg/L
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5	ND	µg/L
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	5	ND	µg/L
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	5	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

2 Anti- Microbials & Biocides:

OPP, Triclosan: With reference to US EPA 8270E and BS EN 12673-1999 Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS analysis.

Permethrin: With reference to US EPA 8270E Solvent extraction, followed by GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
o-Phenylphenol (+salts)	90-43-7	100	ND	µg/L
Triclosan	3380-34-5	100	ND	µg/L
Permethrin	Multiple	500	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

3 Chlorinated Paraffins:

For MCCP: With reference to EPA 3510, analysis by ISO18219-2:2021 with GC-MS-NCI or LC-MS-MS analysis.
For SCCP: With reference to EPA 3510, analysis by ISO18219-1:2021, ISO 12010:2019 with GC-MS-NCI or LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	500	ND	µg/L
Short-chain Chlorinated paraffin (C10 – C13)	85535-84-8	25	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

4 Chlorobenzenes And Chlorotoluenes:

With reference to USEPA 8260D, USEPA 8270E, Dichloromethane extraction followed by GC-MS analysis.

Chemical substances	CAS no.	Reporting limit ($\mu\text{g/L}$)	Untreated wastewater	Unit
1,2-Dichlorobenzene	95-50-1	0.2	ND	$\mu\text{g/L}$
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa-Chlorobenzene and mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple	0.2	ND	$\mu\text{g/L}$

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

5 Chlorophenols:

With reference to US EPA 8270E and BS EN 12673-1999, Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2-Chlorophenol	95-57-8	0.5	ND	µg/L
3-Chlorophenol	108-43-0	0.5	ND	µg/L
4-Chlorophenol	106-48-9	0.5	ND	µg/L
2,3-Dichlorophenol	576-24-9	0.5	ND	µg/L
2,4-Dichlorophenol	120-83-2	0.5	ND	µg/L
2,5-Dichlorophenol	583-78-8	0.5	ND	µg/L
2,6-Dichlorophenol	87-65-0	0.5	ND	µg/L
3,4-Dichlorophenol	95-77-2	0.5	ND	µg/L
3,5- Dichlorophenol	591-35-5	0.5	ND	µg/L
2,3,4-Trichlorophenol	15950-66-0	0.5	ND	µg/L
2,3,5-Trichlorophenol	933-78-8	0.5	ND	µg/L
2,3,6-Trichlorophenol	933-75-5	0.5	ND	µg/L
2,4,5-Trichlorophenol	95-95-4	0.5	ND	µg/L
2,4,6-Trichlorophenol	88-06-2	0.5	ND	µg/L
3,4,5-Trichlorophenol	609-19-8	0.5	ND	µg/L
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	ND	µg/L
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	ND	µg/L
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	ND	µg/L
Pentachlorophenol (PCP)	87-86-5	0.5	ND	µg/L

Remark : ND = Not detected (less than reporting limit)



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

6 Dimethyl Formamide (DMFa):

With reference to US EPA 8270E.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Dimethyl formamide; N,N-dimethylformamide (DMFa) (*)	68-12-2	1000	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

(*) = Sample and report for mock leather.



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

7 Dyes – Carcinogenic or Equivalent Concern:

By Liquid extraction, LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Basic violet 3 with >0.1% of Michler 's Ketone	548-62-9	500	ND	µg/L
C.I. Acid Red 26	3761-53-3	500	ND	µg/L
C.I. Acid Violet 49	1694-09-3	500	ND	µg/L
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	ND	µg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	ND	µg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	ND	µg/L
C.I. Basic Green 4 (malachite green)	10309-95-2	500	ND	µg/L
C.I. Basic Red 9	569-61-9	500	ND	µg/L
C.I. Basic Violet 14	632-99-5	500	ND	µg/L
C.I. Direct Black 38	1937-37-7	500	ND	µg/L
C.I. Direct Blue 6	2602-46-2	500	ND	µg/L
C.I. Direct Red 28	573-58-0	500	ND	µg/L
C.I. Disperse Blue 1	2475-45-8	500	ND	µg/L
C.I. Disperse Blue 3	2475-46-9	500	ND	µg/L
Disperse Orange 11	82-28-0	500	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

8 Dyes – Disperse (Allergenic):

By Liquid extraction, LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Disperse Blue 102	12222-97-8	50	ND	µg/L
Disperse Blue 106	12223-01-7	50	ND	µg/L
Disperse Blue 124	61951-51-7	50	ND	µg/L
Disperse Blue 26	3860-63-7	50	ND	µg/L
Disperse Blue 35	12222-75-2 56524-77-7	50	ND	µg/L
Disperse Blue 7	3179-90-6	50	ND	µg/L
Disperse Brown 1	23355-64-8	50	ND	µg/L
Disperse Orange 1	2581-69-3	50	ND	µg/L
Disperse Orange 3	730-40-5	50	ND	µg/L
Disperse Orange 37/59/76	13301-61-6	50	ND	µg/L
Disperse Red 1	2872-52-8	50	ND	µg/L
Disperse Red 11	2872-48-2	50	ND	µg/L
Disperse Red 17	3179-89-3	50	ND	µg/L
Disperse Yellow 1	119-15-3	50	ND	µg/L
Disperse Yellow 3	2832-40-8	50	ND	µg/L
Disperse Yellow 39	12236-29-2	50	ND	µg/L
Disperse Yellow 49	54824-37-2	50	ND	µg/L
Disperse Yellow 9	6373-73-5	50	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

9 Dyes – Navy Blue Colourant:

By Liquid extraction, LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND	µg/L
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

10 Flame Retardants:

Other flame retardant substances: With reference to US EPA 8270E, Dichloromethane extraction GC-MS or LC-MS-MS analysis.

Borate salt: determined as total boron via ICP analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	ND	µg/L
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	25	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	25	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	25	ND	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	ND	µg/L
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	ND	µg/L
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	ND	µg/L

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Decabromobiphenyl (DecaBB)	13654-09-6	25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	25	ND	µg/L
Dibromopropylether	21850-44-2	25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	25	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	25	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	25	ND	µg/L
Boric acid **	10043-35-3 11113-50-1	100 in Boron	ND	µg/L
Diboron trioxide **	1303-86-2	100 in Boron	ND	µg/L
Disodium octaborate **	12008-41-2	100 in Boron	ND	µg/L
Disodium tetraborate anhydrous **	1303-96-4 1330-43-4	100 in Boron	ND	µg/L
Tetraboron disodium heptaoxide, hydrate **	12267-73-1	100 in Boron	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

** Report total boron directly, no conversion from Boron salt.

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

11 Glycols / Glycol Ethers:

With reference to US EPA 8270E, Liquid extraction, GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2-ethoxyethanol	110-80-5	50	ND	µg/L
2-ethoxyethyl acetate	111-15-9	50	ND	µg/L
2-methoxyethanol	109-86-4	50	ND	µg/L
2-methoxyethylacetate	110-49-6	50	ND	µg/L
2-methoxypropylacetate	70657-70-4	50	ND	µg/L
Bis(2-methoxyethyl)-ether	111-96-6	50	ND	µg/L
Ethylene glycol dimethyl ether	110-71-4	50	ND	µg/L
Triethylene glycol dimethyl ether	112-49-2	50	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

12 Halogenated Solvents:

With reference to USEPA 8260D, Headspace GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichloroethane	107-06-2	1	ND	µg/L
Methylene chloride	75-09-2	1	ND	µg/L
Tetrachloroethylene	127-18-4	1	19	µg/L
Trichloroethylene	79-01-6	1	ND	µg/L

Remark : ND = Not detected (less than reporting limit)



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

13 Organotin Compounds:

With reference to ISO 17353, Derivatisation with NaB (C₂H₅)₄, with GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Dipropyltin compounds (DPT)	Multiple	0.01	ND	µg/L
Mono-, di- and tri-butyltin derivatives	Multiple	0.01	ND	µg/L
Mono, di-, and tri-methyltin derivatives	Multiple	0.01	ND	µg/L
Mono, di-, and tri-octyltin derivatives	Multiple	0.01	ND	µg/L
Mono, di-, and tri-phenyltin derivatives	Multiple	0.01	ND	µg/L
Tetrabutyltin compounds (TeBT)	Multiple	0.01	ND	µg/L
Tripropyltin Compounds (TPT)	Multiple	0.01	ND	µg/L
Tetraoctyltin compounds (TeOT)	Multiple	0.01	ND	µg/L
Tricyclohexyltin (TCyHT)	Multiple	0.01	ND	µg/L
Tetraethyltin Compounds (TeET)	Multiple	0.01	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

14 Other/Miscellaneous Chemicals:

Others: With reference to Liquid extraction, LC-MS-MS analysis.

Borate salt: determined as total boron and total zinc via ICP analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
AAAA [2-(2-aminoethylamino)ethanol]	111-41-1	500	ND	µg/L
Bisphenol A	80-05-7	10	ND	µg/L
Thiourea	62-56-6	50	ND	µg/L
Quinoline	91-22-5	50	ND	µg/L
Borate, zinc salt (^)	12767-90-7	100 in Boron & 100 in Zinc	Boron:ND Zinc:ND	µg/L

Remark : ND = Not detected (less than reporting limit)

(^)= Report total boron & total zinc individually, and no conversion from boron / zinc salt.

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

15 Perfluorinated & Polyfluorinated Chemicals (PFCs):

PFCs: With reference to EPA 537:2020 with LC-MSMS.

FTOH: With reference to EPA 8270E, solvent extraction followed by GC-MS.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Perfluorooctane sulfonate (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Multiple	0.01	0.04	µg/L
Perfluorooctanoic acid (PFOA) related substances	Multiple	1	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

16 Phthalates - Including All Other Esters Of Ortho - Phthalic Acid:

With reference to USEPA 8270E, ISO 18856, Dichloromethane extraction GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	ND	µg/L
1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	10	ND	µg/L
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	ND	µg/L
Butyl benzyl phthalate (BBP)	85-68-7	10	ND	µg/L
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	ND	µg/L
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	ND	µg/L
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	ND	µg/L
Di-isobutyl phthalate (DIBP)	84-69-5	10	ND	µg/L
Di-isononyl phthalate (DINP)	28553-12-0	10	ND	µg/L
Di-n-hexyl phthalate (DnHP)	84-75-3	10	ND	µg/L
Di-n-octyl phthalate (DNOP)	117-84-0	10	ND	µg/L
Di-n-pentylphthalates	131-18-0	10	ND	µg/L
Di-n-propyl phthalate (DPRP)	131-16-8	10	ND	µg/L
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	ND	µg/L
Dibutyl phthalate (DBP)	84-74-2	10	ND	µg/L
Diethyl phthalate (DEP)	84-66-2	10	ND	µg/L
Diisopentylphthalates	605-50-5	10	ND	µg/L
Dinonyl phthalate (DNP)	84-76-4	10	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

17 Polycyclic Aromatic Hydrocarbons (PAHs):

With reference to US EPA 8270E, solvent extraction GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Acenaphthene	83-32-9	1	ND	µg/L
Acenaphthylene	208-96-8	1	ND	µg/L
Anthracene	120-12-7	1	ND	µg/L
Benzo[a]anthracene	56-55-3	1	ND	µg/L
Benzo[a]pyrene (BaP)	50-32-8	1	ND	µg/L
Benzo[b]fluoranthene	205-99-2	1	ND	µg/L
Benzo[e]pyrene	192-97-2	1	ND	µg/L
Benzo[ghi]perylene	191-24-2	1	ND	µg/L
Benzo[j]fluoranthene	205-82-3	1	ND	µg/L
Benzo[k]fluoranthene	207-08-9	1	ND	µg/L
Chrysene	218-01-9	1	ND	µg/L
Dibenz[a,h]anthracene	53-70-3	1	ND	µg/L
Fluoranthene	206-44-0	1	ND	µg/L
Fluorene	86-73-7	1	ND	µg/L
Indeno[1,2,3-cd]pyrene	193-39-5	1	ND	µg/L
Naphthalene	91-20-3	1	ND	µg/L
Phenanthrene	85-01-8	1	ND	µg/L
Pyrene	129-00-0	1	ND	µg/L

Remark : ND = Not detected (less than reporting limit)



TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

18 Restricted Aromatic Amines (Cleavable from Azo-colourants):

With reference to reduction step with sodium dithionite, solvent extraction, EPA 8270E and ISO 14362-1 and ISO 14362-3 (if needed) with GC-MS and LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2-Naphthylamine	91-59-8	0.1	ND	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	ND	µg/L
2,4-Xylidine	95-68-1	0.1	ND	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	ND	µg/L
2,4,5-Trimethylaniline hydrochloride	21436-97-5	0.1	ND	µg/L
2,6-Xylidine	87-62-7	0.1	ND	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	µg/L
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	µg/L
4-Aminoazobenzene	60-09-3	0.1	ND	µg/L
4-Aminodiphenyl	92-67-1	0.1	ND	µg/L
4-Chloro-o-toluidine	95-69-2	0.1	ND	µg/L
4-Chloro-o-toluidinium chloride	3165-93-3	0.1	ND	µg/L
4-Chloroaniline	106-47-8	0.1	ND	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	ND	µg/L
4-methoxy-m-phenylenediamine	615-05-4	0.1	ND	µg/L
4-methyl-m-phenylenediamine	95-80-7	0.1	ND	µg/L
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	ND	µg/L
4,4'-methylenedi-o-toluidine	838-88-0	0.1	ND	µg/L
4,4'-methylenedianiline	101-77-9	0.1	ND	µg/L
4,4'-Oxydianiline	101-80-4	0.1	ND	µg/L
4,4'-Thiodianiline	139-65-1	0.1	ND	µg/L
5-Nitro-o-toluidine	99-55-8	0.1	ND	µg/L
6-methoxy-m-toluidine	120-71-8	0.1	ND	µg/L
Benzidine	92-87-5	0.1	ND	µg/L
o-Aminoazotoluene	97-56-3	0.1	ND	µg/L
o-Anisidine	90-04-0	0.1	ND	µg/L
o-Toluidine	95-53-4	0.1	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

19 UV Absorbers:

With reference to US EPA 8270E, solvent extraction GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	ND	µg/L
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	ND	µg/L
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	ND	µg/L
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	ND	µg/L

Remark : ND = Not detected (less than reporting limit)

20 Volatile Organic Compounds (VOCs):

Benzene and Xylene: With reference to USEPA 8260D, Headspace GC-MS analysis.

m, o, p-cresol: With reference to US EPA 8270E and BS EN 12673-1999 solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS.

Toluene: With reference to HJ 1067 or EPA 8260D Purge and trap, GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Benzene	71-43-2	1	ND	µg/L
m-cresol	108-39-4	1	ND	µg/L
o-cresol	95-48-7	1	ND	µg/L
p-cresol	106-44-5	1	3	µg/L
Xylene	1330-20-7	1	ND	µg/L
Toluene (*)	108-88-3	1	ND	µg/L

Remark : ND = Not detected (less than reporting limit)
(*) = Sample and report for mock leather.

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

21 Heavy Metals:

With reference to US EPA 200.8, USEPA 218.6.

Chemical substances	Limit			Reporting limit (mg/L)	Effluent	Unit
	Foundational	Progressive	Aspirational			
Antimony	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Chromium (VI)	0.05 mg/L	0.005 mg/L	0.001 mg/L	0.001	0.008	mg/L
Barium	Sample and report only			0.01	0.010	mg/L
Selenium	Sample and report only			0.01	ND	mg/L
Tin	Sample and report only			0.01	ND	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	0.005	ND	mg/L
Chromium (total)	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.05	ND	mg/L
Cobalt	0.05 mg/L	0.02 mg/L	0.01 mg/L	0.01	ND	mg/L
Cadmium	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Copper	1 mg/L	0.5 mg/L	0.25 mg/L	0.25	ND	mg/L
Lead	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Nickel	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.05	ND	mg/L
Silver	0.1 mg/L	0.05 mg/L	0.005 mg/L	0.005	ND	mg/L
Zinc	5.0 mg/L	1.0 mg/L	0.5 mg/L	0.5	ND	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	0.001	ND	mg/L

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

22 Conventional Parameters:

Parameters	Test method	Limit			Reporting limit	Effluent	Unit
		Foundational	Progressive	Aspirational			
pH	HJ 1147	6-9			N/A	7.2	[f]
Temperature difference	GB/T 13195	△+15 °C	△+10 °C	△+5 °C	N/A	+1.1	[f] °C
E.coli	SM 9221B presumptive, confirm positive with SM9221F	126 MPN/100-ml			1.8 MPN/100-ml	4.5	MPN/100-ml
Colour (436 nm ; 525 nm ; 620nm)	ISO 7887-B	7;5;3 [m-1]	5;3;2 [m-1]	2;1;1 [m-1]	N/A	0.80; 0.29; 0.14	[m-1]
Persistent Foam	/	No indication of Persistent foam in receiving water			N/A	Absent	[f]
Wastewater Flowrate	/	N/A			N/A	86.4	[f] m ³ /day
Ammonium-Nitrogen	HJ 535	10 mg/L	1 mg/L	0.5 mg/L	0.5 mg/L	0.663	mg/L
AOX	HJ/T 83	3 mg/L	0.5 mg/L	0.1 mg/L	0.1 mg/L	0.165	mg/L
Biochemical Oxygen Demand (BOD5)	HJ 505	30 mg/L	15 mg/L	8 mg/L	8 mg/L	ND	mg/L
Chemical Oxygen Demand (COD)	HJ 828	150 mg/L	80 mg/L	40 mg/L	40 mg/L	ND	mg/L
Dissolved Oxygen (DO)	HJ 506	Sample and report only			N/A	4.41	[f] mg/L
Oil and grease	HJ 637	10 mg/L	2 mg/L	0.5 mg/L	0.5 mg/L	ND	mg/L
Total Phenols / Phenol Index	HJ 503	0.5 mg/L	0.01 mg/L	0.001 mg/L	0.001 mg/L	ND	mg/L
Total Chlorine	HJ 586	Sample and report only			0.2 mg/L	0.501	[f] mg/L
Total Dissolved Solids (TDS)	GB/T 5750.4-2006	Sample and report only			10 mg/L	3.47 X 10 ³	mg/L

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Total-Nitrogen	HJ 636	20 mg/L	10 mg/L	5 mg/L	5 mg/L	ND	mg/L
Total-Phosphorus	GB/T 11893	3 mg/L	0.5 mg/L	0.1 mg/L	0.1 mg/L	ND	mg/L
Total Suspended Solids (TSS)	GB/T 11901	50 mg/L	15 mg/L	5 mg/L	5 mg/L	6	mg/L
Chloride	HJ 84-2016	Sample and report only			10 mg/L	1.47 X 10 ³	mg/L
Cyanide, total	HJ 484	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.05 mg/L	ND	mg/L
Sulfate	HJ 84-2016	Sample and report only			10 mg/L	874	mg/L
Sulfide	HJ 1226	0.5 mg/L	0.05 mg/L	0.01 mg/L	0.01 mg/L	0.02	mg/L
Sulfite	HJ 84-2016	2 mg/L	0.5 mg/L	0.2 mg/L	0.2 mg/L	ND	mg/L

Remark : ND = Not detected (less than reporting limit)

△ is the degree above ambient temperature of receiving water body.

[[□]] = On-site test by sampler.



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Sample / Sludge

Sludge flux (weight/time) and / or flow data volume/time: 6 t/d

23 Heavy Metals:

Other heavy metals: With reference to acid/peroxide digestion EPA 3050 or EPA 6020B with ICP/OES, or ICP-MS analysis.

Chromium VI: With reference to alkaline digestion USEPA 3060a or USEPA 7196 with Colourimetric UV/VIS analysis.

Mercury: With reference to Dissolution, acid digestion USEPA 3051a or USEPA 6020b with CVAAs or ICP MS analysis.

Chemical substances	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Antimony	5	160	mg/kg
Arsenic	5	10.3	mg/kg
Barium	200	ND	mg/kg
Cadmium	1	ND	mg/kg
Cobalt	400	ND	mg/kg
Copper	50	631	mg/kg
Lead	5	12.6	mg/kg
Nickel	20	257	mg/kg
Selenium	5	ND	mg/kg
Silver	50	61.9	mg/kg
Total Chromium	50	759	mg/kg
Zinc	400	2.91 X 10 ³	mg/kg
Chromium (VI)	20	ND	mg/kg
Mercury	1	7.73	mg/kg

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

24 Leachate heavy metals:

With reference to toxicity leachate extraction procedure EPA 1311 followed by Acid digestion EPA 3051A, with ICP-OES, ICP-MS or USEPA 6020a analysis.

Chromium VI: With reference to toxicity leachate extraction procedure EPA 1311 followed by USEPA 7196 Colourimetric UV/VIS analysis.

Mercury: With reference to toxicity leachate extraction procedure EPA 1311 followed by acid digestion EPA 3051a with EPA 6020b CVAA or ICP MS analysis.

Chemical substances	Reporting limit (mg/L)	Sludge	Unit
Arsenic	0.5	ND	mg/L
Cadmium	0.15	-	mg/L
Total Chromium	5	ND	mg/L
Lead	0.5	ND	mg/L
Antimony	0.6	ND	mg/L
Barium	35	-	mg/L
Cobalt	80	-	mg/L
Copper	10	ND	mg/L
Nickel	3.5	ND	mg/L
Selenium	0.5	-	mg/L
Silver	5	-	mg/L
Zinc	50	ND	mg/L
Chromium (VI)	2.5	-	mg/L
Mercury	0.05	ND	mg/L

Remark : ND = Not detected (less than reporting limit)

25 Anions:

With reference to HJ745 with Colourimetry analysis.

Chemical substances	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Cyanide	20	ND	mg/kg

Remark : ND = Not detected (less than reporting limit)



TEST REPORT

**SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)**

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

26 Conventional Parameters:

Chemical substances	Test method	Reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	HJ962	N/A	6.07	N/A
% Solids	HJ613	N/A	73.5	%
Paint Filter Test [^]	USEPA 9095B	N/A	Pass	N/A
Fecal Coliform	USEPA 1681	10	ND	MPN/g

Remark : ND = Not detected (less than reporting limit)

[^] - Report "Pass" when Paint Filter Test does not contain free liquid; Report "Fail" when Paint Filter Test does contain free liquid.

27 Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers:

With reference to US EPA 3550, ISO 18857-2, ISO 18254-1, with GC-MS and LC-MS-MS analysis.

Chemical substances	CAS no.	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	0.4	ND	mg/kg
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	0.4	ND	mg/kg
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	0.4	ND	mg/kg
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	0.4	ND	mg/kg

Remark : ND = Not detected (less than reporting limit)



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

28 Polycyclic Aromatic Hydrocarbons (PAHs):

With reference to US EPA 3540, US EPA 8270 with GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Acenaphthene	83-32-9	0.2	ND	mg/kg
Acenaphthylene	208-96-8	0.2	ND	mg/kg
Anthracene	120-12-7	0.2	ND	mg/kg
Benzo[a]anthracene	56-55-3	0.2	ND	mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	ND	mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	ND	mg/kg
Benzo[e]pyrene	192-97-2	0.2	ND	mg/kg
Benzo[ghi]perylene	191-24-2	0.2	ND	mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	ND	mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	ND	mg/kg
Chrysene	218-01-9	0.2	ND	mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	ND	mg/kg
Fluoranthene	206-44-0	0.2	ND	mg/kg
Fluorene	86-73-7	0.2	ND	mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	ND	mg/kg
Naphthalene	91-20-3	0.2	ND	mg/kg
Phenanthrene	85-01-8	0.2	ND	mg/kg
Pyrene	129-00-0	0.2	ND	mg/kg

Remark : ND = Not detected (less than reporting limit)

29 Chlorotoluenes:

With reference to US EPA 3550, US EPA 8270E with GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Other isomers of mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple	0.2	ND	mg/kg

Remark : ND = Not detected (less than reporting limit)

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Appendix 1: reference to ZDHC WWSG v2.1 Table 4B

Parameters	Total metals and anions threshold values (mg/kg)	Disposal pathways						
		A and B (Leachate result in mg/L)	C (Leachate result in mg/L)	D (Leachate result in mg/L)	E (Leachate result in mg/L)	F (Leachate result in mg/L)	G (Leachate result in mg/L)	G (Total metals limit in mg/kg)
Arsenic	10	Report only if required to test	5	2.75	0.5	0.5	0.5	75
Cadmium	3		1	0.58	0.15	0.15	0.15	85
Total Chromium	100		15	10	5	5	5	3000
Lead	10		5	2.75	0.5	0.5	0.5	840
Antimony	12		15	7.8	0.6	0.6	0.6	Sample and report only
Barium	700		100	67.5	35	35	35	
Cobalt	1600		80	80	80	80	80	4300
Copper	200		25	17.5	10	10	10	
Nickel	70		20	11.75	3.5	3.5	3.5	420
Selenium	10		1	0.75	0.5	0.5	0.5	100
Silver	100		5	5	5	5	5	Sample and report only
Zinc	1000		250	150	50	50	50	7500
Chromium VI	50		5	3.75	2.5	2.5	2.5	50
Mercury	1		0.2	0.125	0.05	0.05	0.05	57

Appendix 2: reference to ZDHC WWSG v2.1 Table 4C

Parameters	Disposal pathways						
	A and B	C	D	E	F	G	
pH	Sample and report only	5 – 11 s.u.	5 – 11 s.u.	5 – 11 s.u.	6.5 – 9 s.u.	6.5 – 9 s.u.	
% Solids		Sample and report only	Sample and report only	Sample and report only	Sample and report only	Sample and report only	Sample and report only
Fecal Coliform				< 1000 (MPN/g)			
Paint Filter Test		Pass Paint filter test				Sample and report only	
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers		< 0.4 mg/kg					
Polycyclic Aromatic Hydrocarbons (PAHs)		< 0.2 mg/kg					
Chlorotoluenes							

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Appendix 3: reference to ZDHC WWSG v2.1 Table 4D

Parameters	Disposal pathways					
	A and B	C	D	E	F	G
Cyanide	Report only if required to test	100 mg/kg	85 mg/kg	70 mg/kg	70 mg/kg	70 mg/kg

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Photo of sampling points:

	
<p>Untreated wastewater</p>	<p>Effluent</p>
	
<p>Sludge</p>	



TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Photo of samples:



Untreated wastewater



Effluent



Sludge


TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

Attachment – sampling protocol for wastewater & sludge:



ZDHC Monitoring

Total Quality. Assured.

Sampling Protocol for Wastewater and Sludge acc. ZDHC SAP 2.1 incl. Apdx. E

Facility Name	广兴(中山)纺织印染有限公司		
Address and Contact:	中山市黄圃镇大雁工业区广兴路18号 杨辉建 / 17708282679		
Facility type: (tick all applicable)	<input checked="" type="checkbox"/> Dyeing and Finishing	<input checked="" type="checkbox"/> Fabric Mill 2023.10.12	<input type="checkbox"/> Laundry, Washing and Finishing
Date of sampling:	2023.10.12		
Sample General ID (if applicable):	<input checked="" type="checkbox"/> direct discharge	<input type="checkbox"/> indirect discharge	<input type="checkbox"/> Zero Liquid Discharge (ZLD)
Discharge description:	<input type="checkbox"/> with pre-treatment	<input type="checkbox"/> without treatment	<input checked="" type="checkbox"/> with own ETP
Weather conditions:	on sampling day: 晴	on day before: 晴	discharge to: 洪涛浜

Fill in all above information as applicable.

Sample Type and Details (see also page 2)			
<input checked="" type="checkbox"/> Effluent	<input checked="" type="checkbox"/> direct	<input type="checkbox"/> indirect	<input checked="" type="checkbox"/> Facility has WWTP
Discharge	Enter sampling times in Sample Details (page 2), and measure field parameters.	Enter sampling time(s) for Indirect discharge. Field parameters are not required, except on client's request.	<input checked="" type="checkbox"/> Plant is in operating condition
<input type="checkbox"/> Pre-treated WW without sludge	<input checked="" type="checkbox"/> Untreated WW	<input type="checkbox"/> with Equalisation Tank (EQT) present: HRT: _____ h (= Volume of tank [m ³] / Flow rate [m ³ /h]) If HRT > 12h, grab sampling from EQT is allowed	<input type="checkbox"/> Incoming Water
<input checked="" type="checkbox"/> Sludge with below disposal pathway*:		age of sludge: _____ days / weeks	
<input type="checkbox"/> A >1000 °C offsite incineration	<input type="checkbox"/> B Landfill with significant control	<input checked="" type="checkbox"/> C Building products processed >1000 °C	<input type="checkbox"/> D Landfill with limited control
<input type="checkbox"/> E Incineration / Building products processed <1000 °C	<input type="checkbox"/> F Landfill with no control	<input type="checkbox"/> G Land application	
* if supplier cannot provide information, pathway "F" shall be assumed.			
Sludge volume generated: 6 m ³ /h		Sludge (liquid): <input checked="" type="checkbox"/> liquid	
		<input type="checkbox"/> solid (powder/granulate/pieces)	
		<input checked="" type="checkbox"/> from running process	
		<input type="checkbox"/> from warehouse/storage	

Times of sampling (if applicable)	Untreated:	1	2	3	4	5	6	7	or Grab (HRT>12h):
	Effluent (indirect) ¹⁾ :	1	2	3	4	5	6	7	or Grab (HRT>12h):
	Incoming: ²⁾	1	2	3	4	5	6	7	or Grab ³⁾ (HRT>12h):
	Sludge (liquid):	1	2	3	4	5	6	7	Solid sludge: 11:29

¹⁾ for direct discharge, see p. 2
²⁾ take grab sample for tap water, river water, and industrial treated river water without EQT; recycled water from EQT <12h must be composite.

Picture ID (or Date & Time / Interval):	GPS coordinates of sampling points:	
20231012 - 103458 →	Incoming W.:	Lat.: ON OS Long.: OE OW
20231012 - 103459 →	Effluent:	Lat.: ON OS 22° 45' 50" Long.: OE OW 113° 21' 0"
20231012 - 103460 →	Sludge:	Lat.: ON OS 22° 45' 45" Long.: OE OW 113° 21' 29"
		Lat.: ON OS 22° 45' 5" Long.: OE OW 113° 21' 29"

Rev 10b-4b - use with Guideline CS009.TP (Issue 10b) Page 1 of 3 Effective Date: 04-Sept-2023
 © Intertek 2023. All Rights Reserved. Intertek is the owner of the copyright in the material and intellectual know-how presented. No parts of this material may be reproduced, adapted, or distributed outside of your company without the consent of Intertek other than to the extent necessary to view the material.

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

ZDHC Monitoring

Quality. Assured.

Sample Details Field parameters usually are only required for direct discharge. If client requests also for indirect discharge, use below fields.

Composite Sample Grab Sample (only allowed from EQT of Effluent with HRT>12h)
(enter data in column for Averaged Readings and in field at right)

Volume of aliquot(s): _____ mL

Time of discrete effluent sample **	1	2	3	4	5	6	7	Averaged Readings or Grab Sample readings:
pH:	7.2	7.1	7.3	7.2	7.2	7.1	7.1	7.2
Temp. WW discharge of receiving water	23.9 °C	23.2 °C	23.4 °C	23.5 °C	23.5 °C	23.1 °C	23.2 °C	23.4 °C
Flow rate:	0.92 L/s	1.04 L/s	1.21 L/s	0.81 L/s	0.89 L/s	1.04 L/s	1.11 L/s	86.45 m ³ /d avg.
Dissolved Oxygen:	4.28 mg/L	4.01 mg/L	3.89 mg/L	4.56 mg/L	5.22 mg/L	4.61 mg/L	4.32 mg/L	4.41 mg/L
Total Chlorine:	0.416 mg/L	0.523 mg/L	0.552 mg/L	0.476 mg/L	0.497 mg/L	0.504 mg/L	0.537 mg/L	0.501 mg/L
Persistent foam:	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

***) time when discrete sample for composite was taken. Use comment field if number of samples is greater than seven, or if above fields are otherwise not sufficient.
 Note: 1.0 m³/h = 0.27 L/s; 1.0 L/s = 86.4 m³/d; 1 m³/h = 0.042 m³/d; multiply the flow rate in m³/h by the daily operation time of the ETP to get flow rate in m³/d;

Sampling procedure: automated sampling with beaker/bowl other: _____

Wastewater Flow Data (Effluent/Discharge)

System: Flow meter (in facility) Pipe (O) Flume (U) Wier (V)

Diameter [cm] _____

Water Depth [cm] _____

Flow Speed [cm/sec] _____

General Field Parameters and Sensory Data (enter as far as applicable)			
Type	T ambient air [°C]	Odour	Colour
Incoming			
Untreated	28.5	浓烈	黑色
Effluent	↓	无	浅黄色
Sludge		浓烈	棕黑色

Field Testing QA/QC			
Parameter	Lab Control	Sample measured value	Accuracy [%]
pH		9.18	99
Total Chlorine		1.62 ± 0.15	98

Other observations: _____

Additional notes (e.g., alternatively measured flow and readings, abbreviations used, etc):
 Sludge PH: 6.7

Rev 10b-4b - use with Guideline CS009.TP (Issue 10b) Page 2 of 3 Effective Date: 04-Sept-2023
 © Intertek 2023. All Rights Reserved. Intertek is the owner of the copyright in the material and intellectual know-how presented. No parts of this material may be reproduced, adapted, or distributed outside of your company without the consent of Intertek other than to the extent necessary to view the material.

Page 36 Of 37

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
 Room 401/501/601/801/901/1003, No. 8 East BaoYing Road, Huangpu District, Guangzhou, China
 深圳天祥质量技术服务有限公司 广州分公司
 广州市黄埔区保盈东路8号401房、501房、601房、801房、901房、1003房
 Tel: +86 20 2820 9118 E-mail: textile.gz@intertek.com Postcode: 510730
www.intertek.com

TEST REPORT

SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : GZHT02788366

Tests Conducted (As Requested By The Applicant)

intertek ZDHC Monitoring
Total Quality. Assured.

ZDHC Wastewater Sampling - Facility Confirmation
The Wastewater samples have been collected under the facility's normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples.

Sampling person (name & email address): SJB qibin.su@intertek.com	Facility Name: 广兴(中山)纺织印染有限公司
Sampler's ZDHC accreditation no.: C74D106817396	Facility's Representative name: 杨培建
Sampler's Signature: SJB	Facility's Representative Signature and Stamp:

Rev 10b-4b - use with Guideline CS009.TP (Issue 10b) Page 3 of 3 Effective Date: 04-Sept-2023
©Intertek 2023. All Rights Reserved. Intertek is the owner of the copyright in the material and intellectual know-how presented. No parts of this material may be reproduced, adapted, or distributed outside of your company without the consent of Intertek other than to the extent necessary to view the material.

End of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek.y.

Page 37 Of 37