

## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

Date : Apr 25, 2025

Factory's name	:	Nanan Nanfa Woolen Knitwear Company Limited
Factory's address	:	Jin Tao Town Main Street No.292 Nanan City Fujian China
Audit ID	:	N/A
Type of wastewater discharge	:	Indirect discharge
On-site Wastewater treatment plant	:	With Pretreatment (With Sludge)
Average total industrial wastewater generated	:	$\geq 15\text{m}^3/\text{day}$
Date and time of the beginning of sampling:		08 Apr, 2025 10:30
Date and time of the end of sampling:		08 Apr, 2025 10:45
Date received sample:		10 Apr, 2025
Testing period:		From 10 Apr, 2025 to 24 Apr, 2025
Arrival temperature at laboratory:		7.1°C
Sample type	:	
Sample / Incoming water	:	Colorless, grab at 10:35 Sampling location: Latitude 25°54'N, Longitude 118°31'E
Sample / Untreated wastewater	:	Light White, grab at 10:45 Sampling location: Latitude 25°7'N, Longitude 118°21'E
Sample / Discharged Wastewater	:	Light White, grab at 10:40 Sampling location: 25°7'N, Longitude 118°21'E
Sample / Sludge	:	Taupe, composite sample at 10:30 Sampling location: Latitude 25°7'N, Longitude 118°21'E

For and on behalf of  
Intertek Testing Services Shenzhen Ltd.



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Asst Manager

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Sampling laboratory	:	Intertek Testing Services Shenzhen Ltd.
Testing laboratory	:	Intertek Testing Services Shenzhen Ltd.
ZDHC sampler accreditation certification number	:	C74D106817474
Local legal standard name <sup>[a]</sup>	:	Integrated wastewater discharge standard, Discharge standards of water pollutants for dyeing and finishing of textile industry, Discharge limits of water pollutants
Local legal standard no. <sup>[a]</sup>	:	GB/T 31962-2015, GB 4287-2012, GB8978-1996
Parameters (ZDHC WWSG V2.2, Table 3) exceeded local regulation	:	-
Discharge permit provided	:	Yes

Tests conducted:

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

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#### Summary of test results:

Wastewater / MRSL - Test items	Testing Period	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	From 10/04/2025 to 14/04/2025	ND
Anti-Microbials & Biocides	From 10/04/2025 to 14/04/2025	ND
Chlorinated Parafins	From 10/04/2025 to 11/04/2025	ND
Chlorobenzenes and Chlorotoluenes	From 10/04/2025 to 11/04/2025	ND
Chlorophenols	From 10/04/2025 to 14/04/2025	ND
Dimethyl Formamide (DMFa)	From 10/04/2025 to 14/04/2025	ND
Dyes – Carcinogenic or Equivalent Concern	From 11/04/2025 to 12/04/2025	ND
Dyes – Disperse (Allergenic)	From 11/04/2025 to 12/04/2025	ND
Flame Retardants	From 10/04/2025 to 11/04/2025	ND
Glycols / Glycol Ethers	From 15/04/2025 to 16/04/2025	ND
Halogenated solvents	From 11/04/2025 to 14/04/2025	ND
Organotin compounds	From 11/04/2025 to 14/04/2025	ND
Other/Miscellaneous Chemicals (^)	From 10/04/2025 to 14/04/2025	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	From 10/04/2025 to 16/04/2025	ND
Phthalates (Ortho-phthalates)	From 10/04/2025 to 11/04/2025	ND
Polycyclic aromatic hydrocarbons (PAHs)	From 10/04/2025 to 11/04/2025	ND
Restricted Aromatic Amines (Cleavable from Azo- colourants)	From 10/04/2025 to 14/04/2025	ND
UV Absorbers	From 10/04/2025 to 14/04/2025	ND
Volatile Organic Compounds (VOC)	From 10/04/2025 to 14/04/2025	ND

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Wastewater / Heavy metals - Test items	Testing Period	Discharged wastewater		
		Foundational	Progressive	Aspirational
Chromium (VI)	From 10/04/2025 to 11/04/2025			Meet
Arsenic	From 10/04/2025 to 11/04/2025			Meet
Cadmium	From 10/04/2025 to 11/04/2025			Meet
Lead	From 10/04/2025 to 11/04/2025			Meet
Mercury	From 10/04/2025 to 11/04/2025			Meet

Sludge – Disposal Pathways
A

Sludge / MRSL - Test items	Testing Period	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	From 15/04/2025 to 21/04/2025	ND
Polycyclic Aromatic Hydrocarbons (PAHs)	From 15/04/2025 to 16/04/2025	ND
Chlorotoluenes	From 15/04/2025 to 16/04/2025	ND

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Sludge / Heavy metals - Test items	Testing Period	Sludge (Total)	Sludge (Leachate)
Antimony	-	N/A	N/A
Arsenic	-	N/A	N/A
Barium	-	N/A	N/A
Cadmium	-	N/A	N/A
Cobalt	-	N/A	N/A
Copper	-	N/A	N/A
Lead	-	N/A	N/A
Nickel	-	N/A	N/A
Selenium	-	N/A	N/A
Silver	-	N/A	N/A
Zinc	-	N/A	N/A
Chromium (total)	-	N/A	N/A
Chromium VI	-	N/A	N/A
Mercury	-	N/A	N/A

Sludge / Conventional parameters - Test items	Testing Period	Sludge
pH	-	N/A
Faecal coliform	-	N/A
% Solids	From 10/04/2025 to 10/04/2025	Report only, refer data
Paint filter test	-	N/A

Sludge / Anion - Test items	Testing Period	Sludge
Cyanide	-	N/A

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**Intertek Testing Services Shenzhen Ltd.**

深圳天祥质量技术服务有限公司

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<b>Note :</b>
ND = Not detected (less than ZDHC reporting limit for MRSL parameters) / Not detected (less than lab reporting limit for other parameters)
D = Detected
N/A = Not applicable (Out of scope according to ZDHC WWSG v2.2)
<sup>(S)</sup> = The samples were subcontracted to Intertek [XXX] for testing.
<sup>(T)</sup> = If sample temperature is greater than 8°C and less than 10°C when received from the laboratory.
<sup>(TT)</sup> = If sample temperature is exceeded 10°C when received from the laboratory.
@ = Maximum holding time exceeded.
(^ ) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L.
<sup>[f]</sup> = On-site test by sampler.
<sup>[a]</sup> = The local legal standard name and legal standard no. is referenced to discharge permit (or contractual agree by CETP) that provided by applicant.
This report shows the test results of the environmental samples of the above factory which were collected on a specific date and time. The results of this report shall not be used for any regulatory compliance purposes.

For and on behalf of  
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**TEST REPORT**

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Tests Conducted (As Requested By The Applicant)

**Sample / Wastewater**

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

Test method: modified from GB/T 31414-2015 (GC-MS and LC-MS-MS analysis).

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

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2 Anti- Microbials & Biocides:

Test method:

OPP: modified from GB/T 20386-2006 (GC-MS analysis).

Triclosan: modified from GB/T 33273-2016 (GC-MS analysis).

Permethrin: modified from EN 71-10:2005 (GC-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	Untreated Wastewater	Unit
o-Phenylphenol (+salts)	90-43-7	100	-	ND	µg/L
Triclosan	3380-34-5	100	-	ND	µg/L
Permethrin	Multiple including 52645-53-1	500	-	ND	µg/L

3 Chlorinated Paraffins:

Test method: modified from ISO 18219:2021 (GC-MS-NCI analysis).

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

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4 Chlorobenzenes And Chlorotoluenes:

Test method: modified from EN 17137:2018 (GC-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	Untreated Wastewater	Unit
1,2-Dichlorobenzene	95-50-1	0.2	-	ND	µg/L
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa-Chlorobenzene and mono-, di-, tri-, tetra- and penta-chlorotoluene	Multiple including 108-90-7; 541-73-1; 106-46-7; 87-61-6; 120-82-1; 108-70-3; 634-66-2; 634-90-2; 95-94-3; 608-93-5; 118-74-1; 95-49-8; 108-41-8; 106-43-4; 32768-54-0; 95-73-8; 19398-61-9; 118-69-4; 95-75-0; 25186-47-4; 7359-72-0; 2077-46-5; 6639-30-1; 23749-65-7; 21472-86-6; 1006-32-2; 875-40-1; 1006-31-1; 877-11-2	0.2	-	ND	µg/L

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5 Chlorophenols:

Test method: modified from EN ISO 17070: 2015 (GC-MS analysis).

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

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## 6 Dimethyl Formamide (DMFa):

Test method: modified from EN 17131:2019 (GC-MS analysis).

<b>Chemical substances</b>	<b>CAS no.</b>	<b>ZDHC Reporting limit (µg/L)</b>	<b>Incoming Water</b>	<b>Untreated Wastewater</b>	<b>Unit</b>
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	-	ND	µg/L

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7 Dyes – Carcinogenic or Equivalent Concern:

Test method: modified from DIN 54231-2005 (LC-MS-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

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8 Dyes – Disperse (Allergenic):

Test method: modified from DIN 54231-2005 (LC-MS-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

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9 Flame Retardants:

Test Method:

Other Flame Retardant Substances: Modified From EN 71-10:2005 (GC-MS Analysis).

Borate Salt: Modified From HJ 700-2014, Determined As Total Boron (ICP-MS Analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	Untreated Wastewater	Unit
Boric acid **	10043-35-3; 11113-50-1	500 in Boron	-	ND	µg/L
Diboron trioxide **	1303-86-2	500 in Boron	-	ND	µg/L
Disodium octaborate **	12008-41-2	500 in Boron	-	ND	µg/L
Disodium tetraborate anhydrous **	1303-96-4; 1330-43-4	500 in Boron	-	ND	µg/L
Tetraboron disodium heptaoxide, hydrate **	12267-73-1	500 in Boron	-	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	25	-	ND	µg/L
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	-	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	25	-	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	25	-	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	25	-	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	25	-	ND	µg/L
Dibromopropylether	21850-44-2	25	-	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	25	-	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	-	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	-	ND	µg/L

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Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	-	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	-	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	25	-	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	-	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	25	-	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	-	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	25	-	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	-	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	25	-	ND	µg/L
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	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

Remark : \*\* Report Total Boron Directly, No Conversion From Boron Salt.

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10 Glycols / Glycol Ethers:

Test method: modified from EN 13130-7:2004 (GC-MS Analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

11 Halogenated Solvents:

Test method: modified from GB 18583-2008 (Headspace GC-MS analysis).

Chemical Substances	CAS No.	ZDHC Reporting Limit (µg/L)	Incoming Water	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	-	ND	µg/L
Trichloroethylene	79-01-6	1	-	ND	µg/L

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12 Organotin Compounds:

Test method: modified from EN 71-3:2019 (GC-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	Untreated Wastewater	Unit
Dipropyltin compounds (DPT)	Multiple including 867-36-7	0.01	-	ND	µg/L
Mono-, di- and tri-butyltin derivatives	Multiple including 1118-46-3; 1461-22-9	0.01	-	ND	µg/L
Mono, di-, and tri-methyltin derivatives	Multiple including 993-16-8; 753-73-1; 1066-45-1	0.01	-	ND	µg/L
Mono, di-, and tri-octyltin derivatives	Multiple including 3091-25-6; 3542-36-7; 2587-76-0	0.01	-	ND	µg/L
Mono, di-, and tri-phenyltin derivatives	Multiple including 1124-19-2; 1135-99-5; 639-58-7	0.01	-	ND	µg/L
Tetrabutyltin compounds (TeBT)	Multiple including 1461-25-2	0.01	-	ND	µg/L
Tetraethyltin Compounds (TeET)	Multiple including 597-64-8	0.01	-	ND	µg/L
Tetraoctyltin compounds (TeOT)	Multiple including 3590-84-9	0.01	-	ND	µg/L
Tricyclohexyltin (TCyHT)	Multiple including 3091-32-5	0.01	-	ND	µg/L
Tripropyltin Compounds (TPT)	Multiple including 2279-76-7	0.01	-	ND	µg/L

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13 Other/Miscellaneous Chemicals:

Test method:

Others: modified from DIN 54231-2005 (LC-MS-MS Analysis).

Borate salt: modified from HJ 700-2014, determined as total boron and total zinc (ICP-MS Analysis).

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

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

14 Perfluorinated & Polyfluorinated Chemicals (PFCs):

Test method: modified from GB/T 31126-2014 (LC-MS-MS and GC-MS Analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	Untreated Wastewater	Unit
Perfluorooctane sulfonate (PFOS) and related substances	Multiple including 1763-23-1	0.01	-	ND	µg/L
Perfluorooctanoic acid (PFOA) and related substances	Multiple including 335-67-1	1	-	ND	µg/L

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

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

Test method: modified from EN ISO 14389:2014 (GC-MS Analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

**TEST REPORT**

**SOFTLINES WASTEWATER TESTING  
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Tests Conducted (As Requested By The Applicant)

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

16 Polycyclic Aromatic Hydrocarbons (PAHs):

Test method: modified HJ 478-2009 (GC-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

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

Test Method: Modified From EN ISO 14362-1:2017 And EN ISO 14362-3:2017 (If Needed) (GC-MS And LC-MS-MS Analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

**TEST REPORT**

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

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Tests Conducted (As Requested By The Applicant)

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

18 UV Absorbers:

Test method: modified from US EPA 8270E (GC-MS analysis).

Chemical substances	CAS no.	ZDHC Reporting limit (µg/L)	Incoming Water	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

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

19 Volatile Organic Compounds (VOCs):

Test method: modified from GB/T 34682-2017 (GC-MS Analysis).

Chemical Substances	CAS No.	ZDHC Reporting Limit (µg/L)	Incoming Water	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	-	ND	µg/L
Toluene	108-88-3	1	-	ND	µg/L
Xylene	1330-20-7	1	-	ND	µg/L

20 Heavy Metals:

Test method: modified from GB/T 7467-1987 and HJ 700-2014 (ICP-MS analysis).

Chemical Substances	Limit			Legal Requirement*	Lab Reporting Limit (mg/L)	Incoming Water	Discharged Wastewater	Unit
	Foundational	Progressive	Aspirational					
Chromium (VI)	0.05 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	-	ND	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.001	-	0.002	mg/L
Cadmium	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.0001	-	0.001	mg/L
Lead	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.001	-	0.001	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.00005	-	ND	mg/L

Remark :

\* Regulation/Standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters (mandatory).

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

**Sample / Sludge**

Sludge flux (weight/time) and / or flow data volume/time: 10kg/weeks

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

Test method: modified from GB/T 31414-2015(GC-MS and LC-MS-MS Analysis).

Chemical substances	CAS no.	ZDHC 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

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

22 Polycyclic Aromatic Hydrocarbons (PAHs):

Test method: modified from HJ 478-2009 (GC-MS Analysis).

Chemical substances	CAS no.	ZDHC 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

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

23 Chlorotoluenes:

Test method: modified from EN 17137:2018(GC-MS Analysis).

Chemical substances	CAS no.	ZDHC 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

24 Heavy Metals:

Test method: Other parameters: modified from CJ/T 221-2005, HJ 700-2014 (ICP-MS Analysis).  
Chromium (VI) : modified from EPA 3060A:1996 or EPA 7196A:1992 (UV/VIS Analysis).

Chemical substances	ZDHC Reporting limit (Dry weight) (mg/kg)	Lab Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Antimony	5	2	N/A	mg/kg
Arsenic	5	2	N/A	mg/kg
Barium	200	2	N/A	mg/kg
Cadmium	1	1	N/A	mg/kg
Cobalt	400	10	N/A	mg/kg
Copper	50	10	N/A	mg/kg
Lead	5	2	N/A	mg/kg
Nickel	20	10	N/A	mg/kg
Selenium	5	2	N/A	mg/kg
Silver	50	10	N/A	mg/kg
Zinc	400	10	N/A	mg/kg
Total Chromium	50	2	N/A	mg/kg
Chromium (VI)	20	2	N/A	mg/kg
Mercury	1	0.2	N/A	mg/kg

**TEST REPORT**

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

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Tests Conducted (As Requested By The Applicant)

25 Leachate heavy metals:

Test method:modified from HJ 700-2014 and GB/T 7467-1987 (ICP-MS and IC-ICP-MS Analysis).

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

26 Conventional Parameters:

Chemical substances	Test method	Lab Reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	HJ962-2018	N/A	N/A	N/A
Fecal Coliform	HJ 347.2-2018	10	N/A	MPN/g
% Solids	HJ613-2011	N/A	67.8	%
Paint Filter Test <sup>^</sup>	USEPA 9095B	N/A	N/A	N/A

Remark :

<sup>^</sup> - Report "Pass" when Paint Filter Test does not contain free liquid; Report "Fail" when Paint Filter Test does contain free liquid.

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

27 Anions:

Test method: modified from HJ 484-2009 (UV-VIS Analysis).

<b>Chemical substances</b>	<b>Lab reporting limit (Dry weight) (mg/kg)</b>	<b>Sludge (Dry weight)</b>	<b>Unit</b>
Cyanide	5	N/A	mg/kg

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

Appendix 1: reference to ZDHC WWSG v2.2 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 (Maximum total metals limit in mg/kg)
Antimony	12	Not applicable	Not applicable	7.8	0.6	0.6	0.6	Not applicable
Arsenic	10			2.75	0.5	0.5	0.5	41
Barium	700			67.5	35	35	35	500
Cadmium	3			0.58	0.15	0.15	0.15	39
Cobalt	1600			80	80	80	80	Not applicable
Copper	200			17.5	10	10	10	1500
Lead	10			2.75	0.5	0.5	0.5	400
Nickel	70			11.75	3.5	3.5	3.5	420
Selenium	10			0.75	0.5	0.5	0.5	36
Silver	100			5	5	5	5	Not applicable
Zinc	1000			50	50	50	50	2800
Total Chromium	100			5	5	5	5	1200
Chromium VI	50			3.75	2.5	2.5	2.5	50
Mercury	1			1.25	0.5	0.5	0.5	17

**TEST REPORT**

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

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

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

Parameters	Disposal pathways					
	A and B	C	D	E	F	G
pH	Not applicable	Not applicable	5 – 11 s.u.	5 – 11 s.u.	6.5 – 9 s.u.	6.5 – 9 s.u.
Fecal Coliform (MPN/g)	Not applicable	Not applicable	Not applicable	Not applicable	< 1000 (MPN/g)	< 1000 (MPN/g)
% Solids	Sample and report only					
Paint Filter Test	Not applicable	Not applicable	Pass Paint filter test			
Cyanide	Not applicable	Not applicable	85 mg/kg	70 mg/kg	70 mg/kg	70 mg/kg

## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

Photo of sampling points:



## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)

#### Photo of samples:



Incoming water

Untreated wastewater

Discharged wastewater

Sludge

## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

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:** 南京南发毛织有限公司

**Address and Contact:** 福建省南安市奎涇镇下村街292号 王炳远 / 18859767771

**Facility type:**  Dyeing and Finishing  Fabric Mill  Laundry, Washing and Finishing  Natural Leather processing  Printing  Synthetic Leather processing

**Date of sampling:** 20250408

**Sample General ID (if applicable):**  direct discharge  indirect discharge  Zero Liquid Discharge (ZLD)  MMSF  with pre-treatment  without treatment  with own ETP

**Discharge description:** 南安市奎涇污水处理厂

**Weather conditions:** on sampling day: 晴 on day before: 晴

\* Changes from ZDHC Wastewater Guidelines V2.2 (September 2024) are implemented.

**Sample Type and Details (see also page 2)**

Discharged  direct  indirect

Wastewater  with Equalisation Tank (EQT) present: Hydraulic Retention Time (HRT): h (= Volume of tank [m<sup>3</sup>] / Flow rate [m<sup>3</sup>/h]) If HRT > 12h, grab sampling from EQT is allowed.

Pre-treated WW without sludge  Untreated WW  with Equalisation Tank (EQT) present: HRT: 14 h (= Volume of tank [m<sup>3</sup>] / Flow rate [m<sup>3</sup>/h]) If HRT > 12h, grab sampling from EQT is allowed.  Incoming Water  MMSCF

Sludge with below disposal pathway:  A  B  C  D  E age of sludge: 2 days/weeks  F  G

>1000 °C on-site or off-site incineration  Landfill with significant control  Building products processed >1000 °C  Landfill with limited control  Off-site incineration & Building products processed <1000 °C  Landfill with no control measures  Land application for specific purpose in approved areas

Sludge volume generated: 10 m<sup>3</sup>/h  L/sec  other unit (specify): kg/weeks  other facility info  measured  estimated

Process Chemical  liquid  solid (powder/granulate/pieces)  from running process  from warehouse/storage

Times of sampling (if applicable)	Untreated:	1	2	3	4	5	6	7	or Grab (HRT>12h): 12:45
	Discharged WW (Indirect) <sup>②</sup> :	1	2	3	4	5	6	7	or Grab <sup>②</sup> (HRT>12h): 10:40
	Incoming <sup>②</sup> :	1	2	3	4	5	6	7	or Grab <sup>②</sup> (HRT>12h): 10:15
	Sludge (liquid):	1	2	3	4	5	6	7	Solid sludge: 10:20

① for direct discharge, see page 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:

Incoming W.:	Lat.: 0°N 05' 24" [4] 31" N	Long.: 0°E 07' 18" [3] 11" E
Untreated WW:	Lat.: 0°N 05' 21" [7] 31" N	Long.: 0°E 07' 18" [3] 11" E
Discharged WW:	Lat.: 0°N 05'	Long.: 0°E 07'
Sludge:	Lat.: 0°N 05'	Long.: 0°E 07'

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## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)



### ZDHC Monitoring

Total 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 Discharged WW with HRT>12h)  
(enter data in column for Averaged Readings and in field at right)

Volume of aliquot(s): \_\_\_\_\_ mL

Time of discrete Discharged WW sample	1	2	3	4	5	6	7	Averaged Readings of Grab Sample readings:
pH:								
Temp. WW discharge of receiving water	°C							
Flow rate:	L/s	m <sup>3</sup> /d avg.						
Dissolved Oxygen:	mg/L							
Total Chlorine:	mg/L							
Persistent foam:	<input type="checkbox"/> yes <input 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 m<sup>3</sup>/h = 0.277 L/s; 1.0 L/s = 86.4 m<sup>3</sup>/d; 1 m<sup>3</sup>/h = 0.042 m<sup>3</sup>/d; multiply the flow rate in m<sup>3</sup>/h by the daily operation time of the ETP to get flow rate in m<sup>3</sup>/d.

Sampling procedure:  automated sampling  with beaker/bowl  other:

**Wastewater Flow Data (Discharged WW)**

System:  Flow meter (in facility)  Pipe (O)  Flume (U)  Weir (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	Foaming	Floating matter
Incoming	21°C	无	无色	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Untreated		无	微白色	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Discharged WW		无	微白色	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Sludge		微绿	微绿		

**Field Testing QA/QC**

Parameter	Lab Control Sample target value	Lab Control Sample measured value	Accuracy [%]
pH	4.00	4.00	100
Total Chlorine			

Other observations:

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

废水量: 200t/d, sludge pH: 9.60

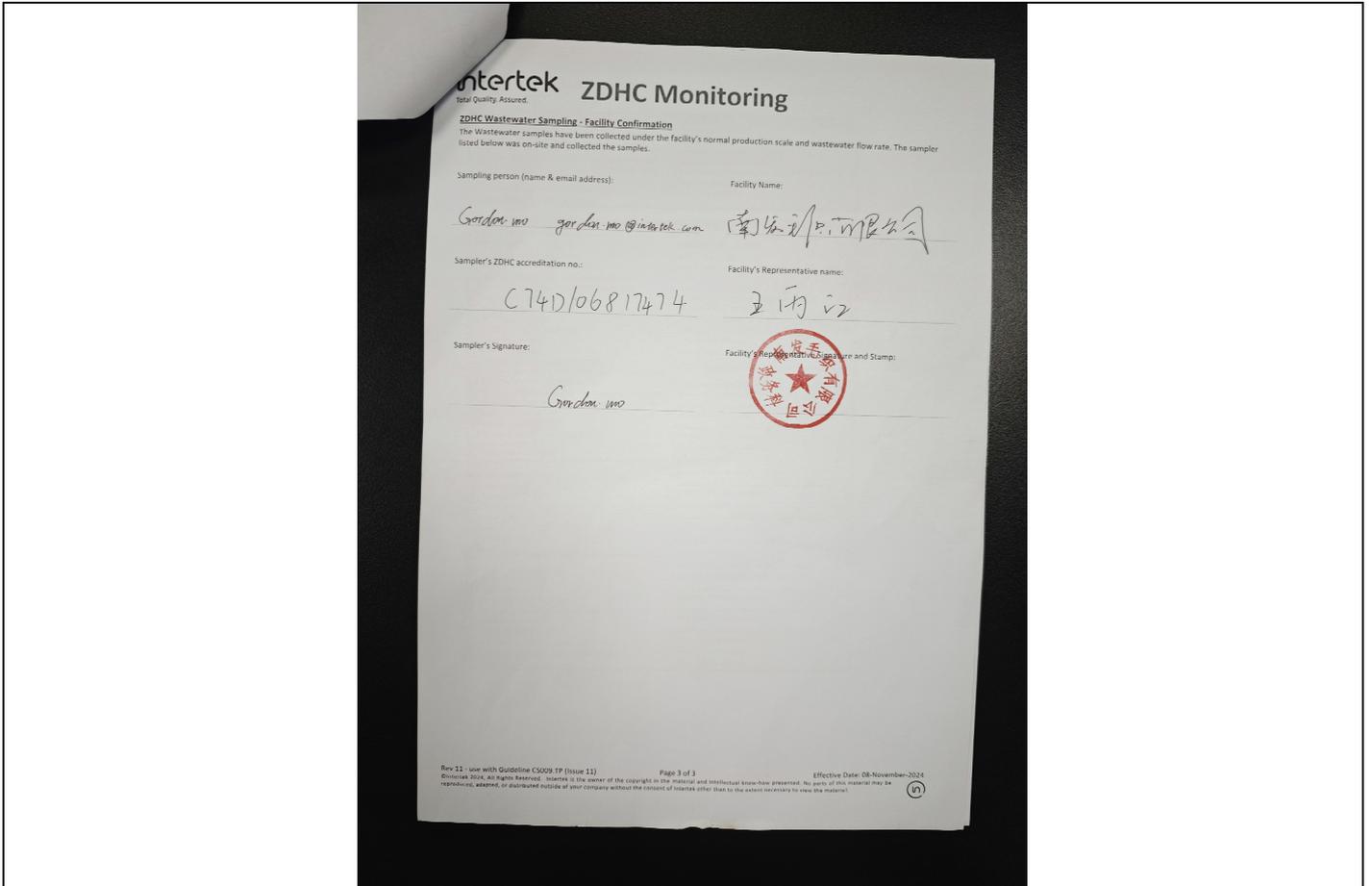
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## TEST REPORT

### SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : HTJ2986057

Tests Conducted (As Requested By The Applicant)



End of Report

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**Intertek Testing Services Shenzhen Ltd.**

深圳天祥质量技术服务有限公司

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