TEST REPORT

# SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : SHAT08210556

Date : Dec 03, 2024

| | | |
|---|---|---|
| Factory's name | : | HANGZHOU JIMAY PRINTING & DYEING CO.,LTD |
| Factory's address | : | 11 MEIDONG ROAD, DANGWAN, XIAOSHAN, HANGZHOU CITY, ZHEJIANG PROVINCE, CHINA |
| Audit ID | : | 187050 |
| Type of wastewater discharge | : | Indirect discharge |
| On-site Wastewater treatment plant | : | With pretreatment (with Sludge) |
| Average total industrial wastewater generated | : | ≥ 15$m^3$/day |
| | | |
| Date and time of the beginning of sampling: | | 28 Nov, 2024 08:05 |
| Date and time of the end of sampling: | | 28 Nov, 2024 14:30 |
| Date received sample: | | 28 Nov, 2024 PM |
| Testing period: | | From 28 Nov, 2024 PM to 03 Dec, 2024 |
| Arrival temperature at laboratory: | | 0 °C |
| | | |
| Sample type | : | |
| Sample / Untreated wastewater | : | Light blue, composite sample at 08:30, 09:30, 10:30, 11:30, 12:30, 13:30, 14:30<br>Sampling location: Latitude 30°13'9"N, Longitude 120°32'51"E |
| Sample / Discharged wastewater | : | Yellow, composite sample at 08:05, 09:05, 10:05, 11:05, 12:05, 13:05, 14:05<br>Sampling location: Latitude 30°13'6"N, Longitude 120°33'51"E |
| Sample / Sludge | : | Black, composite sample at 13:50<br>Sampling location: Latitude 30°13'14"N, Longitude 120°33'21"E |
| | | |
| Sampling laboratory | : | Intertek Testing Services Ltd., Shanghai |
| Testing laboratory | : | Intertek Testing Services Ltd., Shanghai |
| | | |
| ZDHC sampler accreditation certification number | : | C74D106817397 |

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

Prepared And Checked By:
For Intertek Testing Services Ltd.,Shanghai

Nina Hu

Nina Hu
Technical Manager



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**Summary of test results:**

| Wastewater / MRSL - Test items | Testing period | Untreated Wastewater |
|---|---|---|
| Alkylphenol ethoxylates / Alkylphenols (APEOs/APs) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Anti-Microbials & Biocides | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Chlorinated Parafins | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Chlorobenzenes and Chlorotoluenes | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Chlorophenols | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Dimethyl Formamide (DMFa) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Dyes – Carcinogenic or Equivalent Concern | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Dyes – Disperse (Allergenic) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Flame Retardants | From 28 Nov, 2024 to 3 Dec, 2024 | ND |
| Glycols / Glycol Ethers | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Halogenated solvents | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Organotin compounds | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Other/Miscellaneous Chemicals (^) | From 28 Nov, 2024 to 3 Dec, 2024 | ND |
| Perfluorinated & Polyfluorinated chemicals (PFCs) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Phthalates (Ortho-phthalates) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |

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| Wastewater / MRSL - Test items | Testing period | Untreated Wastewater |
|---|---|---|
| Polycyclic aromatic hydrocarbons (PAHs) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Restricted Aromatic Amines (Cleavable from Azo-colourants) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| UV Absorbers | From 29 Nov, 2024 to 3 Dec, 2024 | ND |
| Volatile Organic Compounds (VOC) | From 29 Nov, 2024 to 3 Dec, 2024 | ND |

| Wastewater / Heavy metals - Test items | Testing period | Discharged wastewater | | |
|---|---|---|---|---|
| | | Foundational | Progressive | Aspirational |
| Chromium (VI) | From 28 Nov, 2024 to 30 Nov, 2024 | | | Meet |
| Arsenic | From 28 Nov, 2024 to 30 Nov, 2024 | | | Meet |
| Cadmium | From 28 Nov, 2024 to 30 Nov, 2024 | | | Meet |
| Lead | From 28 Nov, 2024 to 30 Nov, 2024 | | | Meet |
| Mercury | From 28 Nov, 2024 to 30 Nov, 2024 | | | Meet |

| Sludge – Disposal Pathways |
|---|
| A |

| Sludge / MRSL - Test items | Testing period | Sludge |
|---|---|---|
| Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers | From 29 Nov, 2024 to 3 Dec, 2024 | Report only, refer data |
| Polycyclic Aromatic Hydrocarbons (PAHs) | From 29 Nov, 2024 to 3 Dec, 2024 | Report only, refer data |
| Chlorotoluenes | From 29 Nov, 2024 to 3 Dec, 2024 | Report only, refer data |

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

| Sludge / Conventional parameters - Test items | Testing period | Sludge |
|---|---|---|
| pH | N/A | N/A |
| Faecal coliform | N/A | N/A |
| % Solids | From 29 Nov, 2024 to 29 Nov, 2024 | Report only, refer data |
| Paint filter test | N/A | N/A |

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| Sludge / Anion - Test items | Testing period | Sludge |
|---|---|---|
| Cyanide | N/A | N/A |

***Internal reminder :***
*If pH of sludge is tested on-site, add remark [f] after pH.*

| Note : |
|---|
| 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 v2.1) |
| NT = Not tested (Did not test according to applicant's request) |
| [S] = The samples were subcontracted to Intertek [xxxxx] 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. |
| (^) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L. |
| [f] = On-site test by sampler. |
| [a] = 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. |

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Tests Conducted (As Requested By The Applicant)
**Sample / Wastewater**

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

NP/OP: modified from ISO 21084:2019 (LC-MS analysis).
OPEO/NPEO (n>2): modified from ISO 18254-1:2016 (GC-MS and LC-MS analysis).

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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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Tests Conducted (As Requested By The Applicant)

2 Anti- Microbials & Biocides:

o-Phenylphenol (+salts)：modified from GB/T 20386-2006 (GC-MS analysis).
Triclosan: modified from GB/T 35380-2018 (GC-MS analysis).
Permethrin: modified from EN71-9/10/11 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 including 52645-53-1 | 500 | ND | μg/L |

3 Chlorinated Parafins:

For MCCP: modified from ISO18219-2:2021 (GC-MS analysis).
For SCCP: modified from ISO18219-1:2021 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 (SCCPs) (C10 – C13) | 85535-84-8 | 25 | ND | μg/L |



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Tests Conducted (As Requested By The Applicant)

4 Chlorobenzenes And Chlorotoluenes:

Modified from EN 17137:2018 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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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## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)

5 Chlorophenols:

Modified from DIN 50009:2021 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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 |

6 Dimethyl Formamide (DMFa):

Modified from ISO 16189:2021 (GC-MS analysis).

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



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)

7 Dyes – Carcinogenic or Equivalent Concern:

Modified from DIN 54231:2005 (LC-MS-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |



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Tests Conducted (As Requested By The Applicant)
8 Dyes – Disperse (Allergenic):

Modified from DIN 54231:2005 (LC-MS-MS analysis).

| Chemical substances | CAS no. | ZDHC 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<br>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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Tests Conducted (As Requested By The Applicant)
9 Flame Retardants:

Other flame retardant substances: modified from ISO 17881-1:2016 & ISO 17881-2:2016 (GC-MS and LC-MS-MS analysis).
Borate salt: Modified from HJ 700-2014 (ICP-MS analysis)

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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 |
| 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 |



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

Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)

10 Glycols / Glycol Ethers:

Modified from T/CNTAC 66 Annex B.6 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |

11 Halogenated Solvents:

Modified from USEPA 8260D (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 | ND | µg/L |
| Trichloroethylene | 79-01-6 | 1 | ND | µg/L |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)
12 Organotin Compounds:

Modified from ISO/TS 16179:2012 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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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Tests Conducted (As Requested By The Applicant)

13 Other/Miscellaneous Chemicals:

AEEA: modified from T/CNTAC 66 Annex B.9 (GC-MS analysis).
Bisphenol A: modified from EN71-10/11 (LC-MS-MS analysis).
Thiourea: modified from T/CNTAC 66 Annex B.8 (LC-MS-MS analysis).
Quinoline: modified from GB/T 31531-2015 (GC-MS analysis).
Borate, zinc salt (^): modified from HJ 700-2014 (ICP-MS analysis)

| Chemical substances | CAS no. | ZDHC Reporting limit (µg/L) | 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<br>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):

Modified from GB/T 29493.2-2021 (GC-MS and LC-MS-MS analysis).

| Chemical substances | CAS no. | ZDHC reporting limit (µg/L) | 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 |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)
15 Phthalates - Including All Other Esters Of Ortho - Phthalic Acid:

Modified from ISO 18856-2004 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)
16 Polycyclic Aromatic Hydrocarbons (PAHs):

Modified from HJ 478-2009 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)
17 Restricted Aromatic Amines (Cleavable from Azo-colourants):

Modified from ISO 14362-1:2017 and ISO 14362-3:2017 (GC-MS and LC-MS-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)

18 UV Absorbers:

Modified from ISO 24040:2022 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 |

19 Volatile Organic Compounds (VOCs):

m, o, p-cresol: modified from DIN 50009:2021 (GC-MS analysis).
Benzene ,Xylene and Toluene: HJ 639-2012 (GC-MS analysis).

| Chemical substances | CAS no. | ZDHC 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 | ND | µg/L |
| Toluene | 108-88-3 | 1 | ND | µg/L |
| Xylene | 1330-20-7 | 1 | ND | µg/L |



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Tests Conducted (As Requested By The Applicant)
20 Heavy Metals:

Chromium (VI): GB 7467 (UV/VIS analysis).
Mercury: HJ 694 (AFS analysis).
Other heavy metals: HJ 700 (ICP-MS analysis).

| Chemical substances | Limit | | | Lab reporting limit (mg/L) | Discharged wastewater | Unit |
|---|---|---|---|---|---|---|
| | Foundational | Progressive | Aspirational | | | |
| Chromium (VI) | 0.05 mg/L | 0.005 mg/L | 0.001 mg/L | 0.001 | ND | mg/L |
| Arsenic | 0.05 mg/L | 0.01 mg/L | 0.005 mg/L | 0.005 | ND | mg/L |
| Cadmium | 0.1 mg/L | 0.05 mg/L | 0.01 mg/L | 0.01 | ND | mg/L |
| Lead | 0.1 mg/L | 0.05 mg/L | 0.01 mg/L | 0.01 | ND | mg/L |
| Mercury | 0.01 mg/L | 0.005 mg/L | 0.001 mg/L | 0.001 | ND | mg/L |



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Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)
**Sample / Sludge**

Sludge flux (weight/time) and / or flow data volume/time: *10 t/d*

1 Heavy Metals:

Barium, Selenium, Silver: modified from T/CNTAC 66 Annex B.3 (ICP/OES analysis).
Chromium VI: HJ 1082-2019 (AAS analysis).
Mercury: modified from EPA 3051a & 6020b (ICP-MS analysis).
Other heavy metals: HJ 803-2016 (ICP-MS analysis).

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



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Tests Conducted (As Requested By The Applicant)

2 Leachate heavy metals:

Chromium VI: modified from USEPA 3060B and USEPA 7196 (UV/VIS analysis).
Other heavy metals: Modified from ISO 16711-2 (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 |

3 Anions:

Modified from HJ 745 (UV/VIS analysis).

| Chemical substances | Lab reporting limit (Dry weight) (mg/kg) | Sludge (Dry weight) | Unit |
|---|---|---|---|
| Cyanide | 20 | N/A | mg/kg |



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Tests Conducted (As Requested By The Applicant)

4 Conventional Parameters:

| Chemical substances | Test method | Lab reporting limit (Dry weight) | Sludge (Dry weight) | Unit |
|---|---|---|---|---|
| pH | HJ962 | N/A | N/A | N/A |
| Fecal Coliform | USEPA 1681 | 10 | N/A | MPN/g |
| % Solids | HJ613 | N/A | 43.6 | % |
| Paint Filter Test^ | USEPA 9095B | N/A | N/A | N/A |

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

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

NP/OP: modified from ISO 21084:2019 (LC-MS analysis).
OPEO/NPEO (n>2): Modified from ISO 18254-1:2016 (GC-MS and LC-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 |



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TEST REPORT

## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)

6 Polycyclic Aromatic Hydrocarbons (PAHs):

Modified from HJ 805-2016 (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 |

7 Chlorotoluenes:

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 |



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

| Parameters | | Disposal pathways | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total metals and anions threshold values (mg/kg) | 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 |

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 | Sample and report only | Sample and report only | Sample and report only | Sample and report only | Sample and report only |
| Paint Filter Test | Not applicable | Not applicable | Pass Paint filter test | Pass Paint filter test | Pass Paint filter test | Pass Paint filter test |
| Cyanide | Not applicable | Not applicable | 85 mg/kg | 70 mg/kg | 70 mg/kg | 70 mg/kg |



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Number : SHAT08210556

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Photo of sampling points:

| | |
|---|---|
| Untreated wastewater<br>  | Discharged wastewater<br>  |
| Sludge<br>  | |



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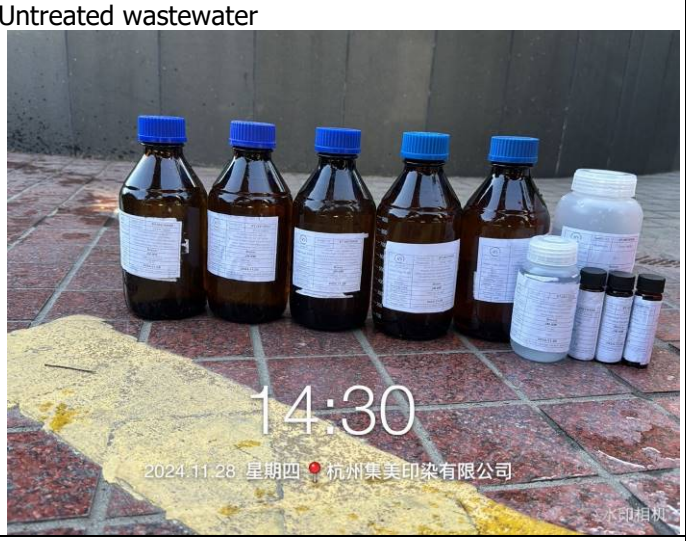
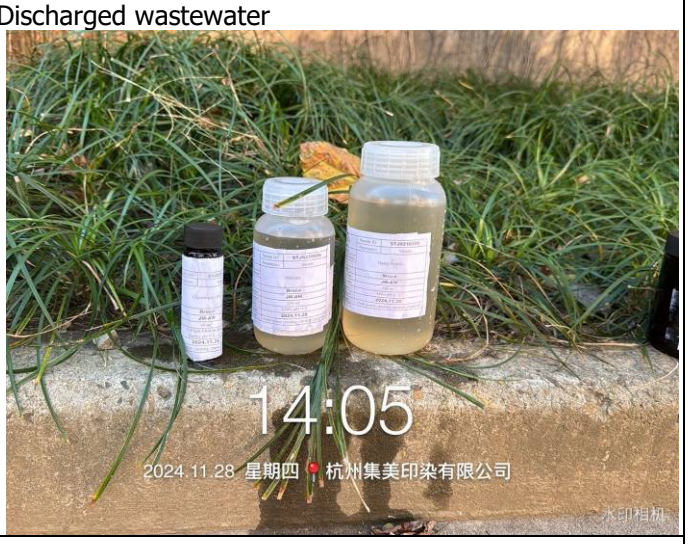
Photo of samples:

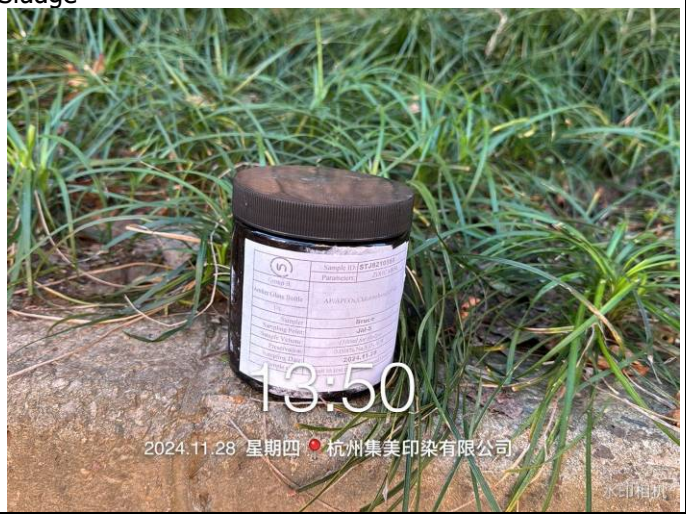
Untreated wastewater




Discharged wastewater




Sludge



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TEST REPORT

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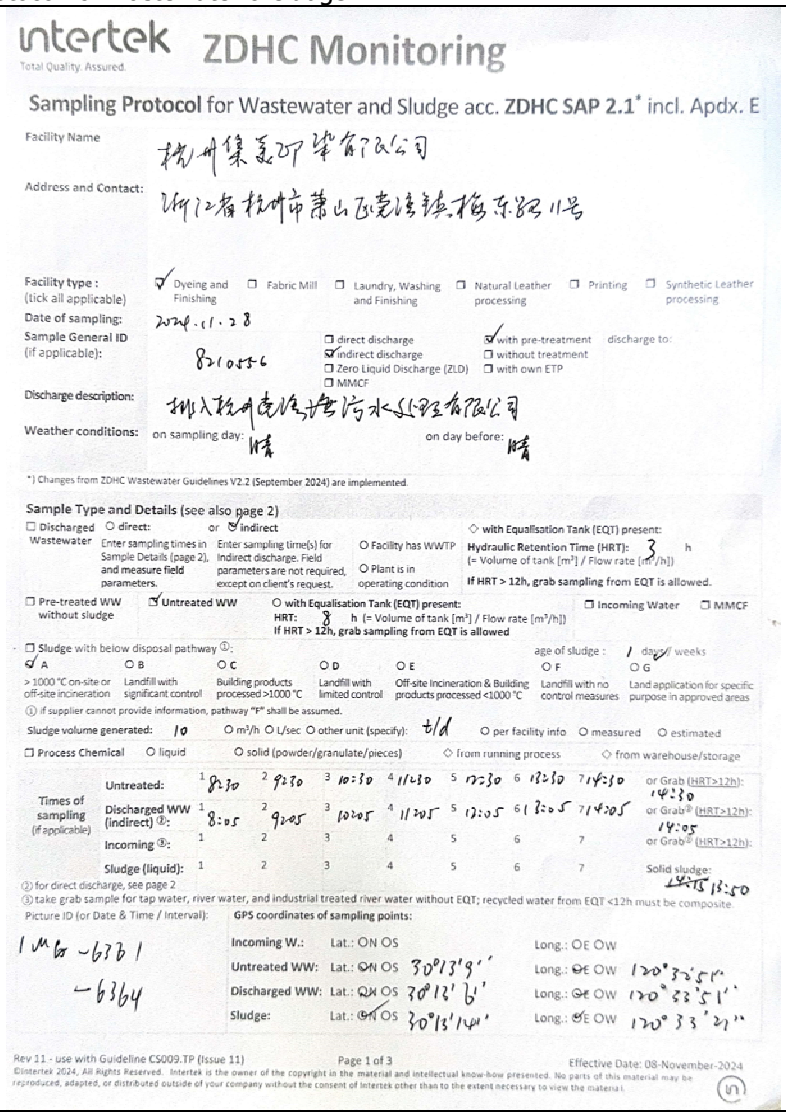
Attachment – sampling protocol for wastewater & sludge:



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

Facility Name: 杭州集高印染有限公司

Address and Contact: 浙江省杭州市萧山区党湾镇梅东路11号

Facility type : (tick all applicable) ☑ Dyeing and Finishing ☐ Fabric Mill ☐ Laundry, Washing and Finishing ☐ Natural Leather processing ☐ Printing ☐ Synthetic Leather processing

Date of sampling: 2024.01.28

Sample General ID (if applicable): 8210556

☐ direct discharge ☑ indirect discharge ☐ Zero Liquid Discharge (ZLD) ☐ MMCF ☑ with pre-treatment ☐ without treatment ☐ with own ETP discharge to:

Discharge description: 排入杭州党湾污水处理有限公司

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 Wastewater ○ direct: or ☑ indirect

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.

○ Facility has WWTP ○ Plant is in operating condition

◇ with Equalisation Tank (EQT) present: Hydraulic Retention Time (HRT): 3 h (= Volume of tank [m³] / Flow rate [m³/h]) If HRT > 12h, grab sampling from EQT is allowed.

☐ Pre-treated WW without sludge ☐ Untreated WW ○ with Equalisation Tank (EQT) present: HRT: 8 h (= Volume of tank [m³] / Flow rate [m³/h]) If HRT > 12h, grab sampling from EQT is allowed ☐ Incoming Water ☐ MMCF

☐ Sludge with below disposal pathway ①: age of sludge : 1 day(s) / weeks

| ☑ A | ○ B | ○ C | ○ D | ○ E | ○ 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 |

① if supplier cannot provide information, pathway "F" shall be assumed.

Sludge volume generated: 10 ○ m³/h ○ L/sec ○ other unit (specify): t/d ○ per facility info ○ measured ○ estimated

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

| Times of sampling (if applicable) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
|---|---|---|---|---|---|---|---|---|---|
| | Untreated: | 8:30 | 9:30 | 10:30 | 11:30 | 12:30 | 13:30 | 14:30 | or Grab (HRT>12h): 14:30 |
| | Discharged WW (indirect) ②: | 8:05 | 9:05 | 10:05 | 11:05 | 12:05 | 13:05 | 14:05 | or Grab® (HRT>12h): 14:05 |
| | Incoming ③: | | | | | | | | or Grab® (HRT>12h): |
| | Sludge (liquid): | | | | | | | | Solid sludge: 15:50 |

② for direct discharge, see page 2

③ 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): IMG-6361 ~ 6364

GPS coordinates of sampling points:

| | | |
|---|---|---|
| Incoming W.: | Lat.: ON OS | Long.: OE OW |
| Untreated WW: | Lat.: ON OS 30°13'9'' | Long.: OE OW 120°32'51'' |
| Discharged WW: | Lat.: ON OS 30°13'6'' | Long.: OE OW 120°32'51'' |
| Sludge: | Lat.: ON OS 30°13'14'' | Long.: OE OW 120°33'21'' |

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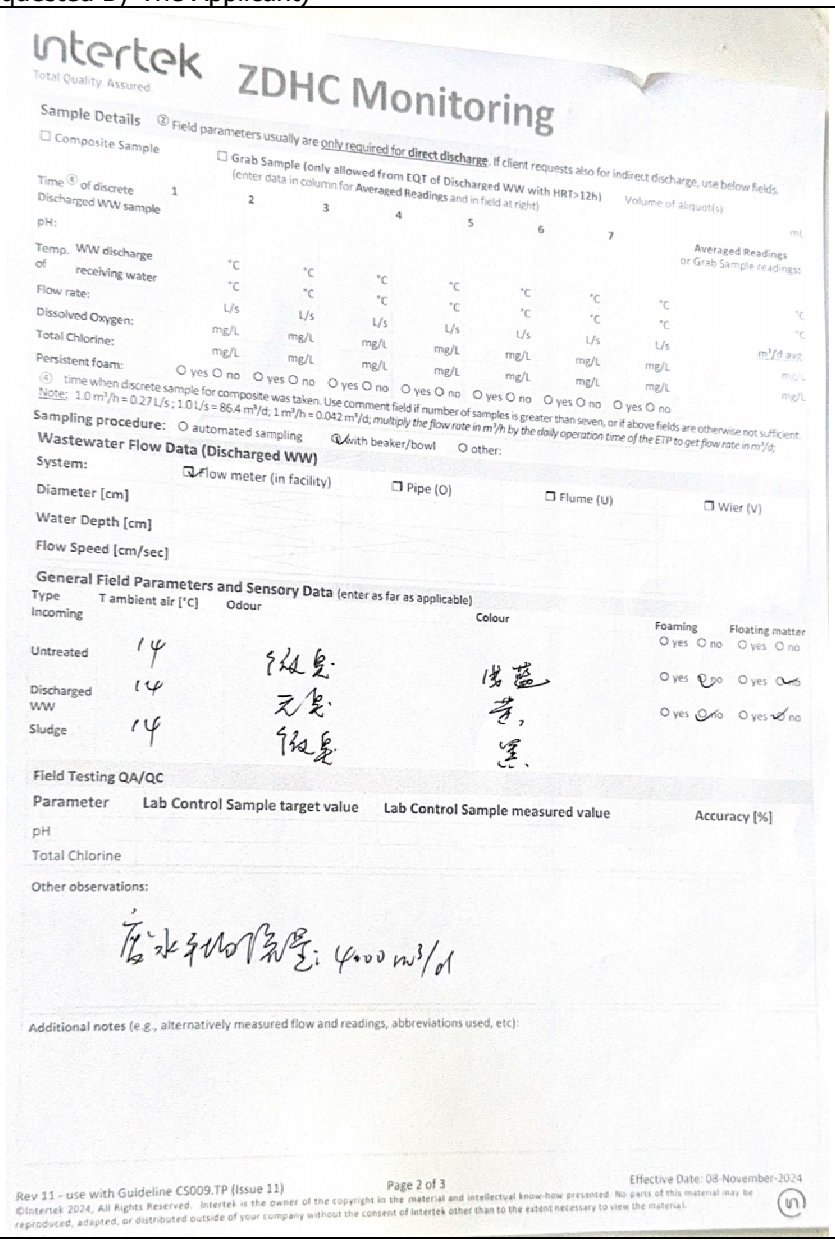
**SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)**

Number : SHAT08210556

Tests Conducted (As Requested By The Applicant)



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Sample Details ② 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)

| Time ④ of discrete Discharged WW sample | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Volume of aliquot(s): mL |
|---|---|---|---|---|---|---|---|---|
| pH: | | | | | | | | Averaged Readings or Grab Sample readings: |
| Temp. WW discharge | °C | °C | °C | °C | °C | °C | °C | °C |
| of receiving water | °C | °C | °C | °C | °C | °C | °C | °C |
| Flow rate: | L/s | L/s | L/s | L/s | L/s | L/s | L/s | $m^3/d$ avg |
| Dissolved Oxygen: | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Total Chlorine: | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Persistent foam: | ○ yes ○ no | ○ yes ○ no | ○ yes ○ no | ○ yes ○ no | ○ yes ○ no | ○ yes ○ no | ○ yes ○ no | |

④ 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 $m^3/h$ = 0.27 L/s ; 1.0 L/s = 86.4 $m^3/d$; 1 $m^3/h$ = 0.042 $m^3/d$; *multiply the flow rate in $m^3/h$ by the daily operation time of the ETP to get flow rate in $m^3/d$.*

Sampling procedure: ○ automated sampling ☑ with beaker/bowl ○ other:

**Wastewater Flow Data (Discharged WW)**

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 Incoming | T ambient air [°C] | Odour | Colour | Foaming | Floating matter |
|---|---|---|---|---|---|
| Untreated | 14 | 轻微 | 浅蓝 | ○ yes ○ no | ○ yes ○ no |
| Discharged WW | 14 | 无臭 | 蓝 | ○ yes ○ no | ○ yes ○ no |
| Sludge | 14 | 轻微 | 黑 | ○ yes ○ no | ○ yes ○ no |

**Field Testing QA/QC**

| Parameter | Lab Control Sample target value | Lab Control Sample measured value | Accuracy [%] |
|---|---|---|---|
| pH | | | |
| Total Chlorine | | | |

Other observations:

污水处理量：4000 $m^3/d$

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

Rev 11 - use with Guideline CSD09.TP (Issue 11) Page 2 of 3 Effective Date: 08-November-2024





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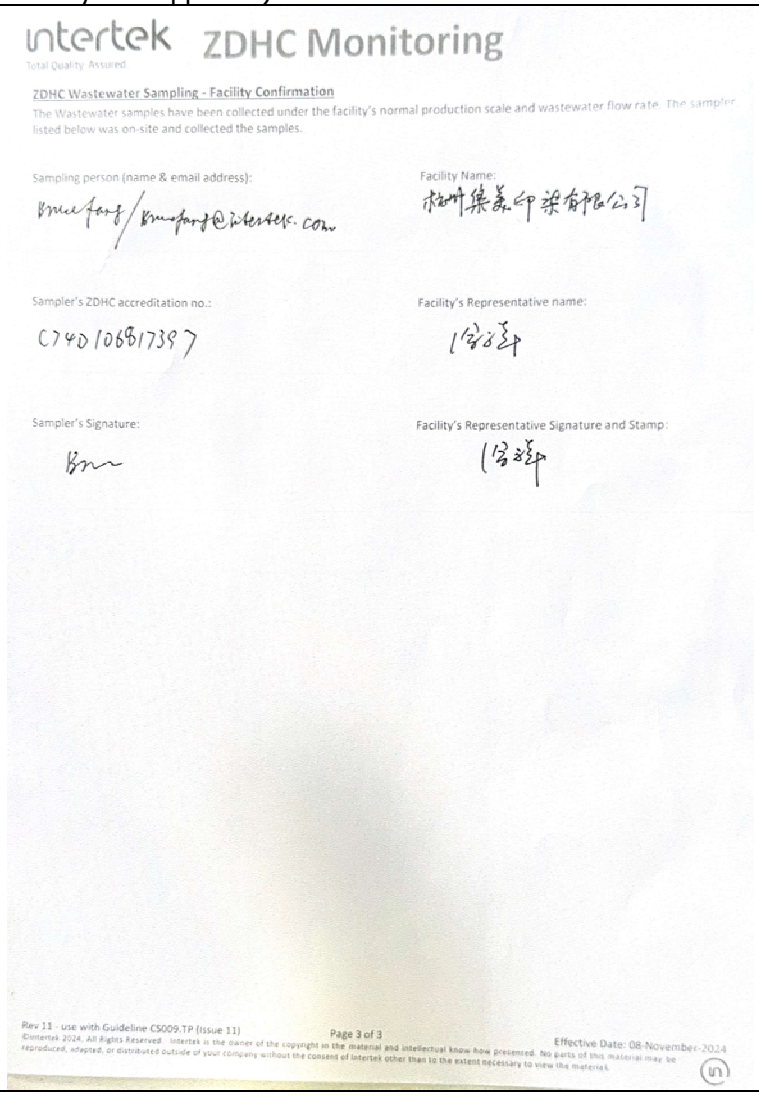

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ZDHC Wastewater Sampling - Facility Confirmation

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):

Bruce Fang / Bruce.fang@intertek.com

Facility Name:

Sampler's ZDHC accreditation no.:

C7401068817397

Facility's Representative name:

Sampler's Signature:

Facility's Representative Signature and Stamp:

Rev 11 : use with Guideline CS009.TP (Issue 11) Page 3 of 3 Effective Date: 08-November-2024



End of Report





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