

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

|                  |              |
|------------------|--------------|
| Date of sampling | 21 Sep, 2024 |
| Reporting Date   | 26 Sep, 2024 |

|                         |   |            |                        |
|-------------------------|---|------------|------------------------|
| Audit ID                | 182021  | Audit firm | INTERTEK - CHINA NORTH |
| Company name            | SHAOGUAN BEIJIANG SMART TEXTILE TECHNOLOGY CO., LTD |            |                        |
| Contact person          | SHUMIN HUANG  |            |                        |
| Type of tax - tax ID no | 91440200708089370H                                  |            |                        |
| Address                 | D3 district, qujiang economic development zone      |            |                        |
| Region state province   | Guangdong   |            |                        |
| Town city / village     | Shaoguan  |            |                        |
| Zip/Post code           | 512136  |            |                        |
| Country                 | China   |            |                        |

| Type of wastewater discharge  |  |  |  |  |
|---|--|--|--|--|
| Type of wastewater discharge:   | Indirect discharge   |  |  |  |
| On-site effluent treatment plant (ETP):                                 | YES  |  |  |  |
| Pre - treatment:  | YES  |  |  |  |
|   | Preliminary  | Primary  | Secondary/Biological   | Tertiary   |
|   | <input checked="" type="checkbox"/> Screening/Sieving/Grit Remover   | <input checked="" type="checkbox"/> Coagulation/Flocculation                 | <input checked="" type="checkbox"/> Activated sludge process. Aerobic                                      | <input type="checkbox"/> Absorption with activated carbon  |
|   | <input checked="" type="checkbox"/> Homogenization tank  | <input checked="" type="checkbox"/> Dissolved air flotation (DAF)            | <input checked="" type="checkbox"/> Biological Biofilm reactor (MBBR, SAF, BSequencing batch reactor (SBR) | <input checked="" type="checkbox"/> High rate filtration   |
|   | <input checked="" type="checkbox"/> pH correction  | <input checked="" type="checkbox"/> Sedimentation tanks or Settler/Clarifier | <input type="checkbox"/> Other   | <input checked="" type="checkbox"/> Advanced oxidation techniques (Ozone, Fenton reaction, photo catalytic degradation...) |
| <input type="checkbox"/> Other  | <input type="checkbox"/> Other   |  | <input type="checkbox"/> Other   |  |
| <input type="checkbox"/> None   |  |  |  |  |
| Description of discharge:   | The water is discharged into the sewage system for further treatment on External ETP (receiving ETP name: 曲江白土污水处理厂) |  |  |  |
| [If direct discharge] ambient temperature of receiving water body (°C): | -  |  |  |  |
| Average total industrial wastewater generated (m3/day):                 | 1600 m <sup>3</sup> /day   |  |  |  |

|                         |   |
|-------------------------|---|
| Sludge Disposal Pathway | E |
|-------------------------|---|

| Sampler accreditation certification number (ZDHC): |        | C74D106817368  |          |
|--|--------|--|----------|
| Sample description                                 | Simple | Composite  | Comments |
| (1) Untreated wastewater (BT)                      | -      | Black, composite sample at 08:54, 09:54, 10:54, 11:54, 12:54, 13:54, 14:54<br>Sampling location: Latitude 24°40'N, Longitude 113°30'E  | -        |
| (2) Effluent (AT)                                  | -      | Yellow, composite sample at 08:58, 09:58, 10:58, 11:58, 12:58, 13:58, 14:58<br>Sampling location: Latitude 24°40'N, Longitude 113°30'E | -        |
| (3) Sludge   | -      | Black, composite sample at 11:10<br>Sampling location: Latitude 24°40'N, Longitude 113°30'E  | pH: 9.94 |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Local Legal Data  |  |
|---|--|
| Local Legal Standard name [a]                                     | Discharge standards of water pollutants for dyeing and finishing of textile industry<br>Discharge limits of water pollutants |
| Local legal standard no. [a]:                                     | GB 4287-2012<br>DB 44/26-2001  |
| Parameters (ZDHC WWSG V2.1, Table 2-3) exceeded local regulation: | No exceeded  |
| Discharge permit provided:  | Yes  |

| Internal description – Intertek Lab Issuing Final Test Report |   |
|---|---|
| Sampling laboratory   | Intertek Testing Services Shenzhen Ltd. |
| Testing laboratory  | Intertek Testing Services Shenzhen Ltd. |
| Date received sample  | 21 Sep, 2024                            |
| Date and time of the beginning of sampling                    | 21 Sep, 2024 08:54                      |
| Date and time of the end of sampling                          | 21 Sep, 2024 14:58                      |
| Testing period  | 23 Sep, 2024 to 26 Sep, 2024            |
| Reporting date  | 26 Sep, 2024                            |
| Arrival Temperature at Lab                                    | 6.3°C                                   |
| Internal codification number                                  | HTJ2914510                              |
| Reference sample number                                       | -                                       |
| Comments  | -                                       |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Summary of test results   |                               |                      |
|---|-------------------------------|----------------------|
| Wastewater/ MRSL - Test items                                       | Testing period                | Sample 1 (untreated) |
| Alkylphenols (APs) & Alkylphenol ethoxylates (APEOs)                | From 23/09/2024 to 25/09/2024 | ND                   |
| Anti - Microbials & Biocides  | From 23/09/2024 to 24/09/2024 | ND                   |
| Chlorinated parafins  | From 23/09/2024 to 24/09/2024 | ND                   |
| Chlorobenzenes and Chlorotoluenes                                   | From 23/09/2024 to 24/09/2024 | ND                   |
| Chlorophenols   | From 23/09/2024 to 24/09/2024 | ND                   |
| Dimethyl Formamide (DMFa) (*)                                       | From 23/09/2024 to 24/09/2024 | ND                   |
| Dyes – Carcinogenic or Equivalent Concern                           | From 23/09/2024 to 24/09/2024 | ND                   |
| Dyes – Disperse (Allergenic)  | From 23/09/2024 to 24/09/2024 | ND                   |
| Dyes-Navy Blue Colourant  | From 23/09/2024 to 24/09/2024 | ND                   |
| Flame retardants  | From 23/09/2024 to 24/09/2024 | ND                   |
| Glycols   | From 24/09/2024 to 25/09/2024 | ND                   |
| Halogenated solvents  | From 23/09/2024 to 24/09/2024 | ND                   |
| Organotin compounds   | From 23/09/2024 to 24/09/2024 | ND                   |
| Other/Miscellaneous Chemicals (^)                                   | From 23/09/2024 to 25/09/2024 | ND                   |
| Perfluorinated chemicals (PFCs)                                     | From 23/09/2024 to 25/09/2024 | ND                   |
| Phthalates  | From 23/09/2024 to 24/09/2024 | ND                   |
| Polycyclic aromatic hydrocarbons (PAHs)                             | From 23/09/2024 to 24/09/2024 | ND                   |
| Restricted Aromatic Amines (Cleavable from Azo- colourants) Azo dye | From 23/09/2024 to 25/09/2024 | ND                   |
| UV Absorbers  | From 23/09/2024 to 24/09/2024 | ND                   |
| Volatile organic compounds (VOCs)                                   | From 23/09/2024 to 24/09/2024 | ND                   |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Wastewater / Heavy metals - Test items | Testing period                | Sample 2 (effluent)     |             |              |
|--|-------------------------------|-------------------------|-------------|--------------|
|  |                               | Foundational            | Progressive | Aspirational |
| Antimony                               | -                             |                         |             | -            |
| Chromium (VI)                          | From 23/09/2024 to 23/09/2024 |                         |             | Meet         |
| Barium                                 | -                             | Report only, refer data |             |              |
| Selenium                               | -                             | Report only, refer data |             |              |
| Tin                                    | -                             | Report only, refer data |             |              |
| Arsenic                                | From 23/09/2024 to 23/09/2024 |                         |             | Meet         |
| Chromium (total)                       | -                             |                         |             | -            |
| Cobalt                                 | -                             |                         |             | -            |
| Cadmium                                | From 23/09/2024 to 23/09/2024 |                         |             | Meet         |
| Copper                                 | -                             |                         |             | -            |
| Lead                                   | From 23/09/2024 to 23/09/2024 |                         |             | Meet         |
| Nickel                                 | -                             |                         |             | -            |
| Silver                                 | -                             |                         |             | -            |
| Zinc                                   | -                             |                         |             | -            |
| Mercury                                | From 23/09/2024 to 23/09/2024 |                         |             | Meet         |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Wastewater / Conventional parameters - Test items | Testing period | Sample 2 (effluent) |             |              |
|---|----------------|---------------------|-------------|--------------|
|   |                | Foundational        | Progressive | Aspirational |
| pH <sup>[f]</sup>                                 | -              | -                   |             |              |
| Temperature difference <sup>[f]</sup>             | -              | -                   |             |              |
| E.coli  | -              | -                   |             |              |
| Colour  | -              |                     | -           |              |
| Persistent foam <sup>[f]</sup>                    | -              | -                   |             |              |
| Wastewater flowrate <sup>[f]</sup>                | -              | -                   |             |              |
| Ammonium-Nitrogen                                 | -              | -                   |             |              |
| AOX   | -              | -                   |             |              |
| Biochemical Oxygen Demand (BOD <sub>5</sub> )     | -              | -                   |             |              |
| Chemical Oxygen Demand (COD)                      | -              | -                   |             |              |
| Dissolved Oxygen (DO) <sup>[f]</sup>              | -              | -                   |             |              |
| Oil & Grease                                      | -              |                     | -           |              |
| Total Phenols / Phenol Index                      | -              | -                   |             |              |
| Total Chlorine <sup>[f]</sup>                     | -              | -                   |             |              |
| Total Dissolved Solids (TDS)                      | -              | -                   |             |              |
| Total Nitrogen                                    | -              | -                   |             |              |
| Total Phosphorus                                  | -              | -                   |             |              |
| Total Suspended Solids (TSS)                      | -              | -                   |             |              |

| Wastewater / Anions - Test items | Testing period | Sample 2 (effluent) |             |              |
|----------------------------------|----------------|---------------------|-------------|--------------|
|                                  |                | Foundational        | Progressive | Aspirational |
| Chloride                         | -              | -                   |             |              |
| Cyanide, total                   | -              | -                   |             |              |
| Sulfate                          | -              | -                   |             |              |
| Sulfide                          | -              | -                   |             |              |
| Sulfite                          | -              | -                   |             |              |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Sludge / Heavy metals - Test items | Testing period                | Sample 3: Sludge (Total) | Sample 3: Sludge (Leachate) |
|------------------------------------|-------------------------------|--------------------------|-----------------------------|
| Antimony                           | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Arsenic                            | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Barium                             | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Cadmium                            | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Cobalt                             | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Copper                             | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Lead                               | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Nickel                             | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Selenium                           | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Silver                             | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Chromium (total)                   | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Zinc                               | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Chromium VI                        | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |
| Mercury                            | From 23/09/2024 to 25/09/2024 | Meet                     | -                           |

  

| Sludge / Anion - Test items | Testing period                | Sample 3: Sludge |
|-----------------------------|-------------------------------|------------------|
| Cyanide                     | From 24/09/2024 to 24/09/2024 | Meet             |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

| Sludge / Conventional parameters - Test items | Testing period                | Sample 3: Sludge        |
|---|-------------------------------|-------------------------|
| pH <sup>[†]</sup>                             | From 21/09/2024 to 21/09/2024 | Meet                    |
| % Solids                                      | From 23/09/2024 to 23/09/2024 | Report only, refer data |
| Paint filter test                             | From 23/09/2024 to 23/09/2024 | Meet                    |
| Faecal coliform                               | From 23/09/2024 to 24/09/2024 | Report only, refer data |

| Sludge / MRSL - Test items  | Testing period                | Sample 3: Sludge |
|---|-------------------------------|------------------|
| Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers | From 24/09/2024 to 25/09/2024 | ND               |
| Polycyclic Aromatic Hydrocarbons (PAHs)                                     | From 24/09/2024 to 25/09/2024 | ND               |
| Chlorotoluenes  | From 24/09/2024 to 25/09/2024 | ND               |

**Remark (Indicated in each parameter)**

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.

(\*) = 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.

[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 shown the test result of the environment samples of above factory which collected on specific date and time. The results of this report shall not be used for any regulatory compliance purposes.

For and on behalf of  
Intertek Testing Services Shenzhen Ltd.



Shunli Zhao  
Asst Manager



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### Test results

#### 1. Conventional parameters

| Wastewater/<br>Conventional<br>parameters -<br>Test items | Test method              | Limit                     |                           |                        | Lab Reporting Limit | Result<br>sample 2<br>(effluent) | Unit                    |
|---|--------------------------|---------------------------|---------------------------|------------------------|---------------------|----------------------------------|-------------------------|
|   |                          | Foundational              | Progressive               | Aspirational           |                     |                                  |                         |
| Temperature   | GB/T 13195-1991          | 35°C                      | 30°C                      | 25°C                   | N/A                 | -                                | °C                      |
| Temperature<br>difference [°C]                            | GB/T 13195-1991          | Δ+15°C                    | Δ+10°C                    | Δ+5°C                  | N/A                 | -                                | [f] °C                  |
| TSS   | GB/T 11901-1989          | 50 mg/L                   | 15 mg/L                   | 5 mg/L                 | 5 mg/L              | -                                | mg/L                    |
| Chemical<br>Oxygen<br>Demand<br>(COD)                     | HJ 828-2017              | 150 mg/L                  | 80 mg/L                   | 40 mg/L                | 16 mg/L             | -                                | mg/L                    |
| Total-N   | HJ 636-2012              | 20 mg/L                   | 10 mg/L                   | 5 mg/L                 | 0.2 mg/L            | -                                | mg/L                    |
| pH  | HJ 1147-2020             | 6-9                       |                           |                        | N/A                 | -                                | [f] pH                  |
| Colour (436<br>nm ; 525 nm ;<br>620nm)                    | ISO7887:2011<br>Method B | 7;5;3                     | 5;3;2                     | 2;1;1                  | N/A                 | -                                | [m-1]                   |
| Biochemical<br>Oxygen<br>Demand<br>(BOD5)                 | HJ 505-2009              | 30 mg/L                   | 15 mg/L                   | 8 mg/L                 | 2 mg/L              | -                                | mg/L                    |
| Ammonium-<br>Nitrogen                                     | HJ 535-2009              | 10 mg/L                   | 1 mg/L                    | 0.5 mg/L               | 0.1 mg/L            | -                                | mg/L                    |
| Total-P   | GB/T 11893-1989          | 3 mg/L                    | 0.5 mg/L                  | 0.1 mg/L               | 0.04 mg/L           | -                                | mg/L                    |
| AOX   | HJ/T 83-2001             | 3 mg/L                    | 0.5 mg/L                  | 0.1 mg/L               | 0.06 mg/L           | -                                | mg/L                    |
| Oil and grease  | HJ 637-2018              | 10 mg/L                   | 2 mg/L                    | 0.5 mg/L               | 0.24 mg/L           | -                                | mg/L                    |
| Phenol  | HJ 503-2009              | 0.5 mg/L                  | 0.01 mg/L                 | 0.001 mg/L             | 0.001 mg/L          | -                                | mg/L                    |
| E. Coli   | GB/T 5750.12-2006        | 126 [MPN/100-ml]          |                           |                        | 1.8 MPN/100-ml      | -                                | [MPN/100-<br>ml]        |
| Foam  | /                        | Not visible               | Not visible               | Not visible            | N/A                 | -                                | [f]                     |
| Cyanide   | HJ 484-2009              | 0.2 mg/L                  | 0.1 mg/L                  | 0.05 mg/L              | 0.016 mg/L          | -                                | mg/L                    |
| Sulfide   | HJ 1226-2021             | 0.5 mg/L                  | 0.05 mg/L                 | 0.01 mg/L              | 0.01 mg/L           | -                                | mg/L                    |
| Sulphite  | HJ 84-2016               | 2 mg/L                    | 0.5 mg/L                  | 0.2 mg/L               | 0.184 mg/L          | -                                | mg/L                    |
| Dissolved<br>Oxygen (DO)                                  | HJ 506-2009              | Sample and<br>report only | Sample and report<br>only | Sample and report only | N/A                 | -                                | [f] mg/L                |
| Total Chlorine  | HJ 586-2010              | Sample and<br>report only | Sample and report<br>only | Sample and report only | 0.12 mg/L           | -                                | [f] mg/L                |
| Total<br>Dissolved<br>Solids (TDS)                        | GB/T 5750.4-2006<br>8    | Sample and<br>report only | Sample and report<br>only | Sample and report only | 10 mg/L             | -                                | mg/L                    |
| Chloride  | HJ 84-2016               | Sample and<br>report only | Sample and report<br>only | Sample and report only | 0.028 mg/L          | -                                | mg/L                    |
| Sulfate   | HJ 84-2016               | Sample and<br>report only | Sample and report<br>only | Sample and report only | 0.072 mg/L          | -                                | mg/L                    |
| Wastewater<br>Flowrate                                    | /                        |                           |                           |                        | N/A                 | -                                | [f] m <sup>3</sup> /day |

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





# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 2. Heavy metals

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

| Heavy metals        | CAS no. | Limit                  |                        |                        | Lab Reporting limit (mg/L) | Result sample 2 (effluent) | Unit |
|---------------------|---------|------------------------|------------------------|------------------------|----------------------------|----------------------------|------|
|                     |         | Foundational           | Progressive            | Aspirational           |                            |                            |      |
| Arsenic (As)        | Various | 0.05 mg/L              | 0.01 mg/L              | 0.005 mg/L             | 0.001                      | ND                         | mg/L |
| Cadmium (Cd)        | Various | 0.1 mg/L               | 0.05 mg/L              | 0.01 mg/L              | 0.0001                     | ND                         | mg/L |
| Mercury (Hg)        | Various | 0.01 mg/L              | 0.005 mg/L             | 0.001 mg/L             | 0.00005                    | ND                         | mg/L |
| Lead (Pb)           | Various | 0.1 mg/L               | 0.05 mg/L              | 0.01 mg/L              | 0.001                      | ND                         | mg/L |
| Antimony (Sb)       | Various | 0.1 mg/L               | 0.05 mg/L              | 0.01 mg/L              | 0.001                      | -                          | mg/L |
| Cobalt (Co)         | Various | 0.05 mg/L              | 0.02 mg/L              | 0.01 mg/L              | 0.001                      | -                          | mg/L |
| Nickel (Ni)         | Various | 0.2 mg/L               | 0.1 mg/L               | 0.05 mg/L              | 0.001                      | -                          | mg/L |
| Silver (Ag)         | Various | 0.1 mg/L               | 0.05 mg/L              | 0.005 mg/L             | 0.001                      | -                          | mg/L |
| Copper (Cu)         | Various | 1 mg/L                 | 0.5 mg/L               | 0.25 mg/L              | 0.001                      | -                          | mg/L |
| Zinc (Zn)           | Various | 5.0 mg/L               | 1.0 mg/L               | 0.5 mg/L               | 0.001                      | -                          | mg/L |
| Total Chromium (Cr) | Various | 0.2 mg/L               | 0.1 mg/L               | 0.05 mg/L              | 0.001                      | -                          | mg/L |
| Chromium VI (Cr VI) | Various | 0.05 mg/L              | 0.005 mg/L             | 0.001 mg/L             | 0.001                      | ND                         | mg/L |
| Barium              | Various | Sample and Report only | Sample and Report only | Sample and Report only | 0.001                      | -                          | mg/L |
| Selenium            | Various | Sample and Report only | Sample and Report only | Sample and Report only | 0.001                      | -                          | mg/L |
| Tin                 | Various | Sample and Report only | Sample and Report only | Sample and Report only | 0.001                      | -                          | mg/L |

### 3. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers.

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

| Alkylphenols (APs) & Alkylphenoethoxylates (APEOs) | CAS no.   | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|--|---|-----------------------------|--|------|
| Octylphenol (OP), mixed isomers                    | 140-66-9/ 1806-26-4/ 27193-28-8                         | 5                           | ND                                     | µg/L |
| Nonylphenol (NP), mixed isomers                    | 104-40-5/ 11066-49-2/ 25154-52-3/84852-15-3             | 5                           | ND                                     | µg/L |
| Octylphenoethoxylates (OPEOs)                      | 9002-93-1; 9036-19-5; 68987-90-6                        | 5                           | ND                                     | µg/L |
| Nonylphenoethoxylates (NPEOs)                      | 9016-45-9/26027-38-3/ 37205-87-1/68412-54-4/127087-87-0 | 5                           | ND                                     | µg/L |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

#### 4. Chlorobenzenes & Chlorotoluenes

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

| Chlorobenzenes & Chlorotoluenes | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---------------------------------|------------|-----------------------------|--|------|
| Chlorobenzene                   | 108-90-7   | 0.2                         | ND                                     | µg/L |
| 1,2-Dichlorobenzene             | 95-50-1    | 0.2                         | ND                                     | µg/L |
| 1,3-Dichlorobenzene             | 541-73-1   | 0.2                         | ND                                     | µg/L |
| 1,4-Dichlorobenzene             | 106-46-7   | 0.2                         | ND                                     | µg/L |
| 1,2,3-Trichlorobenzene          | 87-61-6    | 0.2                         | ND                                     | µg/L |
| 1,2,4-Trichlorobenzene          | 120-82-1   | 0.2                         | ND                                     | µg/L |
| 1,3,5-Trichlorobenzene          | 108-70-3   | 0.2                         | ND                                     | µg/L |
| 1,2,3,4-Tetrachlorobenzene      | 634-66-2   | 0.2                         | ND                                     | µg/L |
| 1,2,3,5-Tetrachlorobenzene      | 634-90-2   | 0.2                         | ND                                     | µg/L |
| 1,2,4,5-Tetrachlorobenzene      | 95-94-3    | 0.2                         | ND                                     | µg/L |
| Pentachlorobenzene              | 608-93-5   | 0.2                         | ND                                     | µg/L |
| Hexachlorobenzene               | 118-74-1   | 0.2                         | ND                                     | µg/L |
| 2-Chlorotoluene                 | 95-49-8    | 0.2                         | ND                                     | µg/L |
| 3-Chlorotoluene                 | 108-41-8   | 0.2                         | ND                                     | µg/L |
| 4-Chlorotoluene                 | 106-43-4   | 0.2                         | ND                                     | µg/L |
| 2,3-Dichlorotoluene             | 32768-54-0 | 0.2                         | ND                                     | µg/L |
| 2,4-Dichlorotoluene             | 95-73-8    | 0.2                         | ND                                     | µg/L |
| 2,5-Dichlorotoluene             | 19398-61-9 | 0.2                         | ND                                     | µg/L |
| 2,6-Dichlorotoluene             | 118-69-4   | 0.2                         | ND                                     | µg/L |
| 3,4-Dichlorotoluene             | 95-75-0    | 0.2                         | ND                                     | µg/L |
| 3,5-Dichlorotoluene             | 25186-47-4 | 0.2                         | ND                                     | µg/L |
| 2,3,4-Trichlorotoluene          | 7359-72-0  | 0.2                         | ND                                     | µg/L |
| 2,3,6-Trichlorotoluene          | 2077-46-5  | 0.2                         | ND                                     | µg/L |
| 2,4,5-Trichlorotoluene          | 6639-30-1  | 0.2                         | ND                                     | µg/L |
| 2,4,6-Trichlorotoluene          | 23749-65-7 | 0.2                         | ND                                     | µg/L |
| 3,4,5-Trichlorotoluene          | 21472-86-6 | 0.2                         | ND                                     | µg/L |
| 2,3,4,5-Tetrachlorotoluene      | 76057-12-0 | 0.2                         | ND                                     | µg/L |
| 2,3,5,6-Tetrachlorotoluene      | 29733-70-8 | 0.2                         | ND                                     | µg/L |
| 2,3,4,6-Tetrachlorotoluene      | 875-40-1   | 0.2                         | ND                                     | µg/L |
| Pentachlorotoluene              | 877-11-2   | 0.2                         | ND                                     | µg/L |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 5. Chlorophenols

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

| Chlorophenols             | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (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 |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 6. 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).

| Azo Dyes  | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|------------|-----------------------------|--|------|
| 4,4'-Methylene-bis(2-chloroaniline)                                     | 101-14-4   | 0.1                         | ND                                     | µg/L |
| 4,4'-Diaminodiphenylmethane   | 101-77-9   | 0.1                         | ND                                     | µg/L |
| 4,4'-Oxydianiline   | 101-80-4   | 0.1                         | ND                                     | µg/L |
| 4-Chloroaniline   | 106-47-8   | 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 |
| p-Cresidine   | 120-71-8   | 0.1                         | ND                                     | µg/L |
| 2,4,5-Trimethylaniline  | 137-17-7   | 0.1                         | ND                                     | µg/L |
| 4,4'-Thiodianiline  | 139-65-1   | 0.1                         | ND                                     | µg/L |
| 4-Aminoazobenzene   | 60-09-3    | 0.1                         | ND                                     | µg/L |
| 4-methoxy-m-phenylenediamine  | 615-05-4   | 0.1                         | ND                                     | µg/L |
| 3,3'-Dimethyl-4,4'-diaminodiphenylmethane                               | 838-88-0   | 0.1                         | ND                                     | µg/L |
| 2,6-Xylidine  | 87-62-7    | 0.1                         | ND                                     | µg/L |
| o-Anisidine   | 90-04-0    | 0.1                         | ND                                     | µg/L |
| 2-Naphthylamine   | 91-59-8    | 0.1                         | ND                                     | µg/L |
| 3,3'-Dichlorobenzidine  | 91-94-1    | 0.1                         | ND                                     | µg/L |
| 4-Aminobiphenyl   | 92-67-1    | 0.1                         | ND                                     | µg/L |
| Benzidine   | 92-87-5    | 0.1                         | ND                                     | µg/L |
| o-Toluidine   | 95-53-4    | 0.1                         | ND                                     | µg/L |
| 2,4-Xylidine  | 95-68-1    | 0.1                         | ND                                     | µg/L |
| 4-Chloro-o-toluidine  | 95-69-2    | 0.1                         | ND                                     | µg/L |
| 4-Methyl-m-phenylenediamine   | 95-80-7    | 0.1                         | ND                                     | µg/L |
| o-Aminoazotoluene   | 97-56-3    | 0.1                         | ND                                     | µg/L |
| 5-Nitro-o-toluidine   | 99-55-8    | 0.1                         | ND                                     | µg/L |
| 2-Naphthylammoniumacetate   | 553-00-4   | 0.1                         | ND                                     | µg/L |
| 2,4,5-trimethylaniline hydrochloride                                    | 21436-97-5 | 0.1                         | ND                                     | µg/L |
| 4-chloro-o-toluidinium chloride   | 3165-93-3  | 0.1                         | ND                                     | µg/L |
| 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisoole sulphate | 39156-41-7 | 0.1                         | ND                                     | µg/L |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 7. Dyes – Carcinogenic or Equivalent Concern

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

| Carcinogenic dyes                                 | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|------------|-----------------------------|--|------|
| 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. Acid Red 26                                  | 3761-53-3  | 500                         | ND                                     | µg/L |
| C.I. Basic Red 9                                  | 569-61-9   | 500                         | ND                                     | µg/L |
| C.I. Direct Red 28                                | 573-58-0   | 500                         | ND                                     | µg/L |
| C.I. Basic Violet 14                              | 632-99-5   | 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 |
| 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 |
| Disperse Orange 11                                | 82-28-0    | 500                         | ND                                     | µg/L |
| Basic violet 3 with >0.1% of Michler's Ketoneb    | 548-62-9   | 500                         | ND                                     | µg/L |
| C.I. Acid Violet 49                               | 1694-09-3  | 500                         | ND                                     | µg/L |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 8. Dyes – Disperse (Allergenic)

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

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



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 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).

| Flame retardants                               | CAS no.                 | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|--|-------------------------|-----------------------------|--|------|
| Tris(2-chloroethyl) phosphate (TCEP)           | 115-96-8                | 25                          | ND                                     | µg/L |
| Decabromodiphenyl ether (DecaBDE)              | 1163-19-5               | 25                          | ND                                     | µg/L |
| Tris(2,3-dibromopropyl) phosphate (TRIS)       | 126-72-7                | 25                          | ND                                     | µg/L |
| Pentabromodiphenyl ether (PentaBDE)            | 32534-81-9              | 25                          | ND                                     | µg/L |
| Octabromodiphenyl ether (OctaBDE)              | 32536-52-0              | 25                          | ND                                     | µg/L |
| Bis(2,3-dibromopropyl) phosphate               | 5412-25-9               | 25                          | ND                                     | µg/L |
| Tris(1-aziridinyl)phosphine oxide (TEPA)       | 545-55-1                | 25                          | ND                                     | µg/L |
| Polybromobiphenyls (PBBs)                      | 59536-65-1              | 25                          | ND                                     | µg/L |
| Tetrabromobisphenol A (TBBPA)                  | 79-94-7                 | 25                          | 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 |
| Tris(1,3-dichloro-isopropyl) phosphate (TDCP)  | 13674-87-8              | 25                          | ND                                     | µg/L |
| Tris-(2-chloro-1-methylethyl) phosphate (TCPP) | 13674-84-5              | 25                          | ND                                     | µg/L |
| Decabromobiphenyl (DecaBB)                     | 13654-09-6              | 25                          | ND                                     | µg/L |
| Dibromobiphenyls (DiBB)                        | Various                 | 25                          | ND                                     | µg/L |
| Octabromobiphenyls (OctaBB)                    | Various                 | 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)                    | Various                 | 25                          | ND                                     | µg/L |
| Monobromodiphenylethers (MonoBDEs)             | Various                 | 25                          | ND                                     | µg/L |
| Nonabromobiphenyls (NonaBB)                    | Various                 | 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)               | Various                 | 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 |

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



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 10. Glycols

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

| Glycols                           | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|-----------------------------------|------------|-----------------------------|--|------|
| Bis(2-methoxyethyl)-ether         | 111-96-6   | 50                          | ND                                     | µg/L |
| 2-ethoxyethanol                   | 110-80-5   | 50                          | ND                                     | µg/L |
| 2-ethoxyethyl acetate             | 111-15-9   | 50                          | ND                                     | µg/L |
| Ethylene glycol dimethyl ether    | 110-71-4   | 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 |
| 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).

| Chlorinated solvents | CAS no.  | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|----------------------|----------|-----------------------------|--|------|
| 1,2-Dichloroethane   | 107-06-2 | 1                           | ND                                     | µg/L |
| Methylene chloride   | 75-09-2  | 1                           | ND                                     | µg/L |
| Trichloroethene      | 79-01-6  | 1                           | ND                                     | µg/L |
| Tetrachloroethene    | 127-18-4 | 1                           | ND                                     | µg/L |

### 12. Organotin compounds

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

| Organotin compounds                      | CAS no. | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|--|---------|-----------------------------|--|------|
| Mono-, di- and tri-methyltin derivatives | Various | 0.01                        | ND                                     | µg/L |
| Mono-, di- and tri-butyltin derivatives  | Various | 0.01                        | ND                                     | µg/L |
| Mono-, di- and tri-phenyltin derivatives | Various | 0.01                        | ND                                     | µg/L |
| Mono-, di- and tri-octyltin derivatives  | Various | 0.01                        | ND                                     | µg/L |
| Tricyclohexyltin (TCyHT)                 | Various | 0.01                        | ND                                     | µg/L |
| Dipropyltin compounds (DPT)              | Various | 0.01                        | ND                                     | µg/L |
| Tetrabutyltin compounds (TeBT)           | Various | 0.01                        | ND                                     | µg/L |
| Tripropyltin Compounds (TPT)             | Various | 0.01                        | ND                                     | µg/L |
| Tetraoctyltin compounds (TeOT)           | Various | 0.01                        | ND                                     | µg/L |
| Tetraethyltin Compounds (TeET)           | Various | 0.01                        | ND                                     | µg/L |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 13. Phthalates

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

| Phthalates  | CAS no.               | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|-----------------------|-----------------------------|--|------|
| Di-2-ethylhexyl phthalate (DEHP)  | 117-81-7              | 10                          | ND                                     | µg/L |
| Dimethoxyethyl phthalate (DMEP)   | 117-82-8              | 10                          | ND                                     | µg/L |
| Di-n-octyl phthalate (DNOP)   | 117-84-0              | 10                          | ND                                     | µg/L |
| Di-iso-decyl phthalate (DIDP)   | 26761-40-0/68515-49-1 | 10                          | ND                                     | µg/L |
| Di-iso-nonyl phthalate (DINP)   | 28553-12-0/68515-48-0 | 10                          | ND                                     | µg/L |
| Di-n-hexyl phthalate (DnHP)   | 84-75-3               | 10                          | ND                                     | µg/L |
| Dibutyl phthalate (DBP)   | 84-74-2               | 10                          | ND                                     | µg/L |
| Butyl benzyl phthalate (BBP)  | 85-68-7               | 10                          | ND                                     | µg/L |
| Diethyl phthalate (DEP)   | 84-66-2               | 10                          | ND                                     | µg/L |
| Di-n-propyl phthalate (DPRP)  | 131-16-8              | 10                          | ND                                     | µg/L |
| Di-iso-butyl phthalate (DIBP)   | 84-69-5               | 10                          | ND                                     | µg/L |
| Di-cyclohexyl phthalate (DCHP)  | 84-61-7               | 10                          | ND                                     | µg/L |
| Di-iso-octyl phthalate (DIOP)   | 27554-26-3            | 10                          | ND                                     | µg/L |
| 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4            | 10                          | ND                                     | µg/L |
| 1,2-benzenedicarboxylic acid, di-C6-11-branched alkyl esters, C7-rich (DIHP)    | 71888-89-6            | 10                          | ND                                     | µg/L |
| Di-n-pentylphthalates   | 131-18-0              | 10                          | ND                                     | µg/L |
| Diisopentylphthalates   | 605-50-5              | 10                          | ND                                     | µg/L |
| Dinonyl phthalate (DNP)   | 84-76-4               | 10                          | ND                                     | µg/L |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 14. Perfluorinated chemicals (PFCs)

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

| Perfluorinated chemicals (PFCs)                                    | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|--|------------|-----------------------------|--|------|
| Perfluoro-octanoic acid (PFOA)                                     | 335-67-1   | 0.01                        | ND                                     | µg/L |
| Perfluoro-octane-sulfonic acid (L-PFOS)                            | 1763-23-1  | 0.01                        | ND                                     | µg/L |
| Perfluoro-octane-sulfon-amide (PFOSA)                              | 754-91-6   | 0.01                        | ND                                     | µg/L |
| N-Methyl-perfluoro-octane-sulfon-amide (N-Me-FOSEA)                | 31506-32-8 | 0.01                        | ND                                     | µg/L |
| N-Ethyl-perfluoro-octane-sulfon-amide (N-Et-FOSEA)                 | 4151-50-2  | 0.01                        | ND                                     | µg/L |
| N-Methyl-perfluoro-octane-sulfon-amido-ethanol (N-Me-FOSE alcohol) | 24448-09-7 | 0.01                        | ND                                     | µg/L |
| N-Ethyl-perfluoro-octane-sulfon-amido-ethanol (N-Et-FOSE alcohol)  | 1691-99-2  | 0.01                        | ND                                     | µg/L |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)              | 39108-34-4 | 1                           | ND                                     | µg/L |
| 2-Perfluorooctylethanol (8:2 FTOH)                                 | 678-39-7   | 1                           | ND                                     | µg/L |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)                      | 27905-45-9 | 1                           | ND                                     | µg/L |
| 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)                 | 1996-88-9  | 1                           | ND                                     | µg/L |
| Methyl perfluorooctanoate (Me-PFOA)                                | 376-27-2   | 1                           | ND                                     | µg/L |
| Ethyl perfluorooctanoate Et-PFOA                                   | 3108-24-5  | 1                           | ND                                     | µg/L |

### 15. Polycyclic aromatic hydrocarbons (PAHs)

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

| Polycyclic aromatic hydrocarbons (PAHs) | CAS no.   | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|-----------|-----------------------------|--|------|
| Benzo(a)pyrene (BaP)                    | 50-32-8   | 1                           | ND                                     | µg/L |
| Anthracene                              | 120-12-7  | 1                           | ND                                     | µg/L |
| Pyrene                                  | 129-00-0  | 1                           | ND                                     | µg/L |
| Benzo(ghi)perylene                      | 191-24-2  | 1                           | ND                                     | µg/L |
| Benzo(e)pyrene                          | 192-97-2  | 1                           | ND                                     | µg/L |
| Indeno (1,2,3-cd)pyrene                 | 193-39-5  | 1                           | ND                                     | µg/L |
| Benzo(j)fluoranthene                    | 205-82-3  | 1                           | ND                                     | µg/L |
| Benzo(b)fluoranthene                    | 205-99-2  | 1                           | ND                                     | µg/L |
| Fluoranthene                            | 206-44-0  | 1                           | ND                                     | µg/L |
| Benzo(k)fluoranthene                    | 207-08-09 | 1                           | ND                                     | µg/L |
| Acenaphthylene                          | 208-96-8  | 1                           | ND                                     | µg/L |
| Chrysene                                | 218-01-9  | 1                           | ND                                     | µg/L |
| Dibenz(a,h)anthracene                   | 53-70-3   | 1                           | ND                                     | µg/L |
| Benzo(a)anthracene                      | 56-55-3   | 1                           | ND                                     | µg/L |
| Acenaphthene                            | 83-32-9   | 1                           | ND                                     | µg/L |
| Phenanthrene                            | 85-01-8   | 1                           | ND                                     | µg/L |
| Fluorene                                | 86-73-7   | 1                           | ND                                     | µg/L |
| Naphthalene                             | 91-20-3   | 1                           | ND                                     | µg/L |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 16. Volatile organic compounds (VOCs)

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

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

(\*) = Sample and report for mock leather.

### 17. Anti - Microbials & Biocides

Test method:

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

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

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

| Anti - Microbials & Biocides | CAS no.   | ZDHC Reporting limit (µg/L) | Result Sample 1 (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 |

### 18. Chlorinated paraffins

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

| Chlorinated paraffins                                | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|--|------------|-----------------------------|--|------|
| Short-chain Chlorinated paraffin (C10 – C13)         | 85535-84-8 | 25                          | ND                                     | µg/L |
| Medium-chain Chlorinated paraffins (MCCPs) (C14-C17) | 85535-85-9 | 500                         | ND                                     | µg/L |

### 19. Dimethyl Formamide (DMFa) (\*)

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

| N,N-di-methylformamide (DMFa)                     | CAS no. | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|---------|-----------------------------|--|------|
| Dimethyl formamide; N,N-dimethylformamide (DMFa)* | 68-12-2 | 1000                        | ND                                     | µg/L |

(\*) = Sample and report for mock leather.

### 20. Dyes-Navy Blue Colourant

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

| Dyes-Navy Blue Colourant  | CAS no.       | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|---|---------------|-----------------------------|--|------|
| Component 1:<br>C <sub>39</sub> H <sub>23</sub> Cl-CrN <sub>7</sub> O <sub>12</sub> S <sub>2</sub> Na | 118685-33-9   | 500                         | ND                                     | µg/L |
| Component 2:<br>C <sub>46</sub> H-30CrN <sub>10</sub> O <sub>20</sub> S <sub>2</sub> 3Na              | Not Allocated | 500                         | ND                                     | µg/L |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 21. 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).

| Other/Miscellaneous Chemicals       | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (Untreated wastewater) | Unit |
|-------------------------------------|------------|-----------------------------|--|------|
| AEAA [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<br>Zinc: ND                  | µg/L |

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

### 22. UV Absorbers

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

| UV Absorbers   | CAS no.    | ZDHC Reporting limit (µg/L) | Result Sample 1 (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-ditertbutylphenol (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 |

### 23. Sludge Parameters – Step 1 - 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).

| Sludge Parameters – Step 1 - Metals | ZDHC reporting limit (Dry weight) (mg/kg) | Lab reporting limit (Dry weight) (mg/kg) | Result Sample 3 (Sludge - Dry weight) | Unit  |
|-------------------------------------|---|--|---------------------------------------|-------|
| Antimony                            | 5   | 2  | 2.25                                  | mg/kg |
| Arsenic                             | 5   | 2  | 4.27                                  | mg/kg |
| Barium                              | 200                                       | 2  | 45.9                                  | mg/kg |
| Cadmium                             | 1   | 1  | ND                                    | mg/kg |
| Cobalt                              | 400                                       | 10                                       | 29.2                                  | mg/kg |
| Copper                              | 50  | 10                                       | 15.5                                  | mg/kg |
| Lead                                | 5   | 2  | 4.4                                   | mg/kg |
| Nickel                              | 20  | 10                                       | 41.3                                  | mg/kg |
| Selenium                            | 5   | 2  | 2.89                                  | mg/kg |
| Silver                              | 50  | 10                                       | ND                                    | mg/kg |
| Total Chromium                      | 50  | 2  | 58.8                                  | mg/kg |
| Zinc                                | 400                                       | 10                                       | 166                                   | mg/kg |
| Chromium (VI)                       | 20  | 2  | ND                                    | mg/kg |
| Mercury                             | 1   | 0.2                                      | ND                                    | mg/kg |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 24. Sludge Parameters – Step 1 - Anions

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

| Sludge Parameters – Step 1 - Anion | ZDHC reporting limit (Dry weight) (mg/kg) | Lab reporting limit (Dry weight) (mg/kg) | Result Sample 3 (Sludge - Dry weight) | Unit  |
|------------------------------------|---|--|---------------------------------------|-------|
| Cyanide                            | 20  | 5  | ND                                    | mg/kg |

### 25. Sludge Parameters - Step 1 – Conventional

| Sludge Parameters – Step 1 - Conv | Test method   | Lab reporting limit (Dry weight) (mg/kg) | Result Sample 3 (Sludge - Dry weight) | Unit  |
|-----------------------------------|---------------|--|---------------------------------------|-------|
| pH <sup>(f)</sup>                 | HJ962-2018    | N/A                                      | 9.94                                  | N/A   |
| % Solids                          | HJ613-2011    | N/A                                      | 56.6                                  | %     |
| Paint Filter Test                 | USEPA 9095B   | N/A                                      | Pass                                  | N/A   |
| Fecal Coliform                    | HJ 347.2-2018 | 10                                       | ND                                    | MPN/g |

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

### 26. Sludge Parameters - Step 1 - MRSL - Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers.

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

| Sludge Parameters - Step 1 - MRSL - Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers | CAS no.  | ZDHC reporting limit (Dry weight) (mg/kg) | Result Sample 3 (Sludge - Dry weight) | Unit  |
|---|--|---|---------------------------------------|-------|
| Nonylphenol ethoxylates (NPEO)  | 9016-45-9;<br>26027-38-3;<br>37205-87-1;<br>68412-54-4;<br>127087-87-0 | 0.4                                       | ND                                    | mg/kg |
| Nonylphenol (NP), mixed isomers   | 104-40-5;<br>11066-49-2;<br>25154-52-3;<br>84852-15-3                  | 0.4                                       | ND                                    | mg/kg |
| Octylphenol ethoxylates (OPEO)  | 9002-93-1;<br>9036-19-5;<br>68987-90-6                                 | 0.4                                       | ND                                    | mg/kg |
| Octylphenol (OP), mixed isomers   | 140-66-9;<br>1806-26-4;<br>27193-28-8                                  | 0.4                                       | ND                                    | mg/kg |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 27. Sludge Parameters - Step 1 - MRSL - Polycyclic Aromatic Hydrocarbons (PAHs)

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

| Sludge Parameters - Step 1 - MRSL - Polycyclic Aromatic Hydrocarbons (PAHs) | CAS no.  | ZDHC reporting limit (Dry weight) (mg/kg) | Result Sample 3 (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 |

### 28. Sludge Parameters - Step 1 - MRSL - Chlorotoluenes

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

| Sludge Parameters - Step 1 - MRSL - Chlorotoluenes | CAS no.    | ZDHC reporting limit (Dry weight) (mg/kg) | Result Sample 3 (Sludge - Dry weight) | Unit  |
|--|------------|---|---------------------------------------|-------|
| 2-Chlorotoluene                                    | 95-49-8    | 0.2                                       | ND                                    | mg/kg |
| 3-Chlorotoluene                                    | 108-41-8   | 0.2                                       | ND                                    | mg/kg |
| 4-Chlorotoluene                                    | 106-43-4   | 0.2                                       | ND                                    | mg/kg |
| 2,3-Dichlorotoluene                                | 32768-54-0 | 0.2                                       | ND                                    | mg/kg |
| 2,4-Dichlorotoluene                                | 95-73-8    | 0.2                                       | ND                                    | mg/kg |
| 2,5-Dichlorotoluene                                | 19398-61-9 | 0.2                                       | ND                                    | mg/kg |
| 2,6-Dichlorotoluene                                | 118-69-4   | 0.2                                       | ND                                    | mg/kg |
| 3,4-Dichlorotoluene                                | 95-75-0    | 0.2                                       | ND                                    | mg/kg |
| 3,5-Dichlorotoluene                                | 25186-47-4 | 0.2                                       | ND                                    | mg/kg |
| 2,3,4-Trichlorotoluene                             | 7359-72-0  | 0.2                                       | ND                                    | mg/kg |
| 2,3,6-Trichlorotoluene                             | 2077-46-5  | 0.2                                       | ND                                    | mg/kg |
| 2,4,5-Trichlorotoluene                             | 6639-30-1  | 0.2                                       | ND                                    | mg/kg |
| 2,4,6-Trichlorotoluene                             | 23749-65-7 | 0.2                                       | ND                                    | mg/kg |
| 3,4,5-Trichlorotoluene                             | 21472-86-6 | 0.2                                       | ND                                    | mg/kg |
| 2,3,4,5-Tetrachlorotoluene                         | 76057-12-0 | 0.2                                       | ND                                    | mg/kg |
| 2,3,5,6-Tetrachlorotoluene                         | 29733-70-8 | 0.2                                       | ND                                    | mg/kg |
| 2,3,4,6-Tetrachlorotoluene                         | 875-40-1   | 0.2                                       | ND                                    | mg/kg |
| Pentachlorotoluene                                 | 877-11-2   | 0.2                                       | ND                                    | mg/kg |

# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

### 29. Sludge Parameters - Step 2 – Metals

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

| Sludge Parameters - Step 2 – Metals | Lab Reporting limit (mg/L) | Result Sample 3 (Sludge) | Unit |
|-------------------------------------|----------------------------|--------------------------|------|
| Antimony                            | 0.6                        | -                        | mg/L |
| Arsenic                             | 0.5                        | -                        | mg/L |
| Barium                              | 35                         | -                        | mg/L |
| Cadmium                             | 0.15                       | -                        | mg/L |
| Cobalt                              | 80                         | -                        | mg/L |
| Copper                              | 10                         | -                        | mg/L |
| Lead                                | 0.5                        | -                        | mg/L |
| Nickel                              | 3.5                        | -                        | mg/L |
| Selenium                            | 0.5                        | -                        | mg/L |
| Silver                              | 5                          | -                        | mg/L |
| Total Chromium                      | 5                          | -                        | mg/L |
| Zinc                                | 50                         | -                        | mg/L |
| Chromium (VI)                       | 2.5                        | -                        | mg/L |
| Mercury                             | 0.05                       | -                        | mg/L |

### Appendix 1: Reference to ZDHC WWSG v2.1 Table 4B

| Parameters     | Total metals and anions threshold values (mg/kg) | Disposal pathways                 | C                         | D                         | E                         | F                         | G                         | G                             |
|----------------|--|-----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|
|                |  | A and B (Leachate result in mg/L) | (Leachate result in mg/L) | (Leachate result in mg/L) | (Leachate result in mg/L) | (Leachate result in mg/L) | (Leachate result in mg/L) | (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                        |                               |
| Copper         | 200  |                                   | 25                        | 17.5                      | 10                        | 10                        | 10                        | 4300                          |
| 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                            |



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

**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 |
| Fecal Coliform  |                        |                        |                        |                        |                        |                        |
| 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            |                        |                        |                        |                        |
| Chlorotoluene   |                        |                        |                        |                        |                        |                        |

**Appendix 2: 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 |





# SOFTLINES WASTEWATER TESTING TEST REPORT

Number: HTJ2914510

## Photo of sampling points:



## Photo of wastewater before treatment (untreated)



Photo of effluent

Photo of sludge

## Photo of samples:



## Photo of untreated wastewater



Photo of effluent

Photo of sludge



SAMPLING PROTOCOL (PAGE 1 OF 3)

**intertek ZDHC Monitoring**  
Total Quality. Assured.

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

Facility Name: 韶关市北纺智造科技有限公司

Address and Contact: 韶关市曲江经济开发区D3区北纺智造B区 黄敏敏 1345685603

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

Date of sampling: 2024.09.2

Sample General ID:  direct discharge  indirect discharge  Zero Liquid Discharge (ZLD)  MMCF

Discharge description: 曲江白土污水处理厂

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

Fill in all above information as applicable.

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

Effluent  direct  indirect  Facility has WWTP  Plant is in operating condition

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.

Pre-treated WW without sludge  Untreated WW  with Equalisation Tank (EQT) present: HRT: 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\*):  A >1000 °C offsite incineration  B Landfill with significant control  C Building products processed >1000 °C  D Landfill with limited control  E Incineration / Building products processed <1000 °C  F Landfill with no control  G Land application

age of sludge: 1 days/weeks

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

Sludge volume generated: 10 Om³/h O l/sec O other unit (specify): t/d O per facility info O measured O 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):               |
|                                   | Effluent (indirect) <sup>1)</sup> : | 8:54 | 9:54 | 10:54 | 11:54 | 12:54 | 13:54 | 14:54 | or Grab (HRT>12h):               |
|                                   | Incoming: <sup>2)</sup>             | 8:58 | 9:58 | 10:58 | 11:58 | 12:58 | 13:58 | 14:58 | or Grab <sup>2)</sup> (HRT>12h): |
|                                   | Sludge (liquid):                    | 1    | 2    | 3     | 4     | 5     | 6     | 7     | Solid sludge: 11:10              |

<sup>1)</sup> for direct discharge, see p. 2  
<sup>2)</sup> 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): 20240921-091805

GPS coordinates of sampling points:

Incoming W.: Lat.: 0N 0S Long.: 0E 0W

Untreated WW: Lat.: 0N 0S 24° 40' 18" Long.: 0E 0W 113° 30' 35"

Effluent: Lat.: 0N 0S Long.: 0E 0W

Sludge: Lat.: 0N 0S Long.: 0E 0W

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.



SAMPLING PROTOCOL (PAGE 2 OF 3)

**intertek ZDHC Monitoring**  
Total Quality. Assured.

Sample Details <sup>2)</sup> 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:                                   |  |  |  |  |  |  |  |  |
| Temp. WW discharge 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 <sup>3</sup> /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:                      | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no | <input type="radio"/> yes <input type="radio"/> no |  |

\*\*1) 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 = 0.27 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 (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 | Foaming   | Floating matter   |
|-----------|--------------------|-------|--------|---|---|
| Incoming  |                    |       |        | <input type="radio"/> yes <input type="radio"/> no            | <input type="radio"/> yes <input type="radio"/> no            |
| Untreated | 30.3               | 无     | 黑色     | <input type="radio"/> yes <input checked="" type="radio"/> no | <input type="radio"/> yes <input checked="" type="radio"/> no |
| Effluent  | ↓                  | ↓     | 黄色     | <input type="radio"/> yes <input checked="" type="radio"/> no | <input type="radio"/> yes <input checked="" type="radio"/> no |
| Sludge    |                    |       | 黑色     |   |   |

**Field Testing QA/QC**

| Parameter      | Lab Control Sample target value | Lab Control Sample measured value | Accuracy [%] |
|----------------|---------------------------------|-----------------------------------|--------------|
| pH             | 9.18                            | 9.18                              | 100          |
| Total Chlorine |                                 |                                   |              |

Other observations:

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

处理前污水温度: 38.6 °C  
污泥 pH: 9.94 污水量: 1600 m<sup>3</sup>/d 处理后污水温度: 36.7 °C

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.



SAMPLING PROTOCOL (PAGE 3 OF 3)

**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): lane kang lane.gh.kang@intertek.com Facility Name: 韶关市北纺智造科技有限公司

Sampler's ZDHC accreditation no.: C7412106817368 Facility's Representative name: \_\_\_\_\_

Sampler's Signature: lane kang Facility's Representative Signature and Stamp: 

Rev 10b-4b - use With Guideline C5009.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. 



# SOFTLINES WASTEWATER TESTING

## TEST REPORT

Number: HTJ2914510

**Document on sludge disposal or licensed third-party waste contractor for sludge disposal.**

Not Provided

\*\*\*\*\*  
End of report

This report is made solely on the basis of your instructions and/or information and materials supplied. Results refer only to samples received in the lab. 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.

