

|                  |            |
|------------------|------------|
| Date of sampling | 15/10/2024 |
| Reporting date   | 21/10/2024 |

|                         |  |            |              |
|-------------------------|--|------------|--------------|
| Audit ID                | 181645   | Audit firm | SGS Shanghai |
| Company name            | ZHEJIANG FURUN PRINTING & DYEING CO., LTD.                       |            |              |
| Contact person          | Liumei Zhang   |            |              |
| Type of tax – tax ID no | 91330600749015247K   |            |              |
| Address                 | No. 37 Jianye Road, Taozhu Street, Zhuji City, Zhejiang Province |            |              |
| Region state province   | Zhejiang   |            |              |
| Town city / village     | Zhuji  |            |              |
| Zip / Post code         | 311800   |            |              |

| Type of wastewater discharge                               |   |
|--|---|
| Type of wastewater discharge                               | Indirect Discharge  |
| Description of the discharge                               | Discharge to Centralized Wastewater Treatment Plant: Zhuji Haidong Water Treatment Co., Ltd.<br>Address: 440 meters east of the intersection of Huan025 Township Road and Taozhu North Road, Zhuji City |
| [If direct discharge] Temperature of receiving water body: | Not applicable  |

| Type of sludge disposal pathway |           |
|---------------------------------|-----------|
| Type of sludge disposal pathway | Pathway C |

| Type of treatment*   |  |
|----------------------|--|
| PRELIMINARY          | <input type="checkbox"/> Screening/Sieving/Grit remover (< 6 mm)<br><input checked="" type="checkbox"/> Screening/Sieving/Grit remover (≥ 6 mm)<br><input type="checkbox"/> Homogenization tank<br><input checked="" type="checkbox"/> pH Correction<br><input type="checkbox"/> Other (please specify): |
| PRIMARY              | <input type="checkbox"/> Coagulation/Flocculation<br><input checked="" type="checkbox"/> Dissolved air flotation (DAF)<br><input type="checkbox"/> Sedimentation tanks or Settler/Clarifier<br><input type="checkbox"/> Other (please specify):  |
| SECONDARY/BIOLOGICAL | <input checked="" type="checkbox"/> Activated sludge process. Aerobic reactor<br><input type="checkbox"/> Biological Biofilm reactor (MBBR, SAF, RBC..)<br><input type="checkbox"/> Sequencing batch reactor (SBR)<br><input type="checkbox"/> Other (please specify):                                   |



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|          |   |
|----------|---|
| TERTIARY | <input type="checkbox"/> Absorption with activated carbon<br><input type="checkbox"/> High rate filtration<br><input checked="" type="checkbox"/> Techniques (ozone, Fenton reaction, photo catalytic degradation...)<br><input type="checkbox"/> Other (please specify): |
|----------|---|

\*The information has been provided by the factory.

|  |               |
|--|---------------|
| Sampler accreditation certification number (ZDHC): | C74D106818054 |
| Sampling affiliate                                 | SGS Shanghai  |

| Sample description       |                                     |   |                                 |
|--------------------------|-------------------------------------|---|---------------------------------|
|                          | Simple                              | Composite   | Comments                        |
| (1) Untreated wastewater | -                                   | Purple, composite sample at 8:50, 9:50, 10:50, 11:50, 12:50, 13:50, 14:50 | pH: 9.8<br>Temperature: 39.2 °C |
| (2) Effluent             | Pale yellowish, grab sample at 8:30 | -   | pH: 6.8<br>Temperature: 30.4 °C |
| (3) Sludge               | Black&Brown, grab sample at 13:00   | -   | -                               |
| (4) Leachate             | YES                                 | -   | -                               |



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| Internal description – Final Test Report     |  |
|--|--|
| Testing laboratory                           | SGS Shanghai   |
| Internal codification number (report number) | SL52425343144301TX   |
| Reference sample number (sample ID)          | -  |
| Received on                                  | 16/10/2024   |
| Analysis carried out from                    | 16/10/2024 to 21/10/2024   |
| Arrival temperature at lab                   | 7.3°C  |
| Comments                                     | <ol style="list-style-type: none"> <li>Samples received within 24 hours.</li> <li>The ETP belong to the group company Zhejiang Furun Digital Technology Co., Ltd.</li> </ol> |
| Reporting date                               | 21/10/2024   |

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd



Linda Wang (Authorized Signatory)



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
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| Summary of test results   |                      |   |   |          |
|---|----------------------|---|---|----------|
| Test items  | Untreated wastewater | Effluent  | Sludge  | Leachate |
| Conventional Parameters and Anions  | -                    | Please refer to the information in TEST RESULTS | Please refer to the information in TEST RESULTS | -        |
| Heavy Metals  | -                    | Fulfill aspirational limit                      | Please refer to the information in TEST RESULTS | ND       |
| Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers | ND                   | -   | Sample and report only                          | -        |
| Anti- Microbials & Biocides   | ND                   | -   | -   | -        |
| Chlorinated Parafins  | ND                   | -   | -   | -        |
| Chlorobenzenes & Chlorotoluenes   | ND                   | -   | Sample and report only                          | -        |
| Chlorophenols   | ND                   | -   | -   | -        |
| N,N-di-methylformamide (DMFa)   | ND                   | -   | -   | -        |
| Dyes – Carcinogenic or Equivalent Concern                                   | ND                   | -   | -   | -        |
| Dyes – Disperse (Allergenic)  | ND                   | -   | -   | -        |
| Dyes – Navy Blue Colourant  | ND                   | -   | -   | -        |
| Flame Retardants  | ND                   | -   | -   | -        |
| Glycols / Glycol Ethers   | ND                   | -   | -   | -        |
| Halogenated Solvents  | ND                   | -   | -   | -        |
| Organotin Compounds   | ND                   | -   | -   | -        |
| Other / Miscellaneous Chemicals   | ND                   | -   | -   | -        |
| Perfluorinated and Polyfluorinated Chemicals (PFCs)                         | ND                   | -   | -   | -        |
| Phthalates – including all other esters of ortho-phthalic acid              | ND                   | -   | -   | -        |
| Polycyclic Aromatic Hydrocarbons (PAHs)                                     | ND                   | -   | Sample and report only                          | -        |
| Restricted Aromatic Amines (Cleavable from Azo-colourants)                  | ND                   | -   | -   | -        |
| UV Absorbers  | ND                   | -   | -   | -        |
| VOCs  | ND                   | -   | -   | -        |

| Sludge disposal pathway        |     |
|--------------------------------|-----|
| Comply sludge disposal pathway | Yes |

Remark (indicated in each parameter)



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ND = Not detected (< ZDHC requirements)  
D = Detected (≥ ZDHC requirements)  
NA = Not applicable  
- = Not required to be tested



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Test results

Wastewater

1. Conventional Parameters and Anions

| Test Items          | Test method | Limit        |             |              | Reporting Limit | Result   | Unit                |
|---------------------|-------------|--------------|-------------|--------------|-----------------|----------|---------------------|
|                     |             | Foundational | Progressive | Aspirational |                 | Effluent |                     |
| Wastewater Flowrate | -           | -            |             |              | NA              | 4558 *   | m <sup>3</sup> /day |

Remark

NA = Not applicable

- = Not required to be tested

\*= Test data is provided by the client



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2. Heavy Metals

Cr (VI): GB/T 7467-1987

Hg: HJ 694-2014

Others: US EPA 200.8:1994

| Test items          | CAS no. | Limit                          |                                 |                                 | Reporting Limit | Result   | Unit |
|---------------------|---------|--------------------------------|---------------------------------|---------------------------------|-----------------|----------|------|
|                     |         | Foundational                   | Progressive                     | Aspirational                    |                 | Effluent |      |
| Arsenic (As)        | Various | Textile and Leather: 0.05      | Textile and Leather: 0.01       | Textile and Leather: 0.005      | 0.005           | ND       | mg/L |
| Cadmium (Cd)        | Various | Textile and Leather: 0.1       | Textile and Leather: 0.05       | Textile and Leather: 0.01       | 0.01            | ND       | mg/L |
| Mercury (Hg)        | Various | Textile and Leather: 0.01      | Textile and Leather: 0.005      | Textile and Leather: 0.001      | 0.001           | ND       | mg/L |
| Lead (Pb)           | Various | Textile and Leather: 0.1       | Textile and Leather: 0.05       | Textile and Leather: 0.01       | 0.01            | ND       | mg/L |
| Chromium VI (Cr VI) | Various | Textile: 0.05<br>Leather: 0.15 | Textile: 0.005<br>Leather: 0.05 | Textile: 0.001<br>Leather: 0.02 | 0.001           | ND       | mg/L |

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

NP/OP: With reference to ISO 18857-2:2009

NPEO / OPEO: With reference to ISO 18857-2:2009 or ASTM D7742-17

| Test items                    | CAS no.   | Reporting Limit (Textile and Leather) | Result               | Unit |
|-------------------------------|---|---------------------------------------|----------------------|------|
|                               |   |                                       | Untreated wastewater |      |
| Octylphenol (OP)              | 140-66-9/ 1806-26-4/<br>27193-28-8                      | 5                                     | ND                   | µg/L |
| Nonylphenol (NP)              | 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 |



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**4. Anti- Microbials & Biocides**

o-Phenylphenol (+salts): With reference to BS EN 12673:1999

Triclosan, Permethrin: With reference to US EPA 3510C:1996 & 8270E:2018

| Test items              | CAS no.   | Reporting Limit          | Result               |      |
|-------------------------|-----------|--------------------------|----------------------|------|
|                         |           |                          | Untreated wastewater | Unit |
| o-Phenylphenol (+salts) | 90-43-7   | Textile: 100             | ND                   | µg/L |
| Triclosan               | 3380-34-5 | Textile and Leather: 100 | ND                   | µg/L |
| Permethrin              | Various   | Textile and Leather: 500 | ND                   | µg/L |

**5. Chlorinated Paraffins**

With reference to ISO 12010:2019

| Test items   | CAS no.    | Reporting Limit          | Result               |      |
|--|------------|--------------------------|----------------------|------|
|  |            |                          | Untreated wastewater | Unit |
| Short chain chlorinated paraffins (C10-C13)          | 85535-84-8 | Textile and Leather: 25  | ND                   | µg/L |
| Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17) | 85535-85-9 | Textile and Leather: 500 | ND                   | µg/L |



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**6. Chlorobenzenes & Chlorotoluenes**

3-Chlorotoluene, 4-Chlorotoluene: With reference to US EPA 8260D: 2018

Others: With reference to US EPA 3510C:1996 & 8270E:2018

| Test items                 | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               |      |
|----------------------------|------------|--|----------------------|------|
|                            |            |  | Untreated wastewater | Unit |
| Monochlorobenzenes         | 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 |



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|                            |            |     |    |      |
|----------------------------|------------|-----|----|------|
| 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 |

**7. Chlorophenols**

With reference to BS EN 12673:1999

| Test items                | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|---------------------------|------------|--|----------------------|------|
|                           |            |  | Untreated wastewater |      |
| 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 |
| 2,3,5,6-Tetrachlorophenol | 935-95-5   | 0.5                                      | ND                   | µg/L |
| 2,3,4,6-Tetrachlorophenol | 58-90-2    | 0.5                                      | ND                   | µg/L |
| 2,3,4,5-Tetrachlorophenol | 4901-51-3  | 0.5                                      | ND                   | µg/L |
| Pentachlorophenol PCP     | 87-86-5    | 0.5                                      | ND                   | µg/L |



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**8. N,N-di-methylformamide (DMFa)**

With reference to US EPA 8015C:2007

| Test item                     | CAS no. | Reporting Limit<br>(Textile)                      | Result               | Unit |
|-------------------------------|---------|---|----------------------|------|
|                               |         |   | Untreated wastewater |      |
| N,N-di-methylformamide (DMFa) | 68-12-2 | 1000<br>(Sample and Report only for mock leather) | ND                   | µg/L |

**9. Dyes - Carcinogenic or Equivalent Concern**

With reference to inhouse method followed by LC-MS/MS

| Test items  | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|---|------------|--|----------------------|------|
|   |            |  | Untreated wastewater |      |
| 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  | Textile: 500                             | ND                   | µg/L |
| C.I. Disperse Blue 3                              | 2475-46-9  | Textile: 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    | Textile: 500                             | ND                   | µg/L |
| Basic violet 3 with >0.1% of Michler's Ketone*    | 548-62-9   | 500                                      | ND                   | µg/L |
| C.I. Acid Violet 49                               | 1694-09-3  | 500                                      | ND                   | µg/L |

\*Reported concentration refers to the dye part only



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10. Dyes - Disperse (Allergenic)

With reference to inhouse method followed by LC-MS/MS

| Test Items               | CAS no.    | Reporting Limit<br>(Textile) | Result               |      |
|--------------------------|------------|------------------------------|----------------------|------|
|                          |            |                              | 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 |



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**11. Dyes - Navy Blue Colourant**

With reference to inhouse method followed by LC-MS/MS

| Test Items                            | CAS no.       | Reporting Limit<br>(Textile and Leather) | Result               |      |
|---------------------------------------|---------------|--|----------------------|------|
|                                       |               |  | Untreated wastewater | Unit |
| Component 1:<br>C39H23Cl-CrN7O12S 2Na | 118685-33-9   | 500                                      | ND                   | µg/L |
| Component 2:<br>C46H-30CrN10O20S2 3Na | Not Allocated | 500                                      | ND                   | µg/L |

**12. Flame retardants**

Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: With reference to US EPA 200.8:1994

BBMP, BIS, TRIS: With reference to inhouse method followed by LC-MS/MS

Others: With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items                                     | CAS no.    | Reporting Limit           | Result               |      |
|--|------------|---------------------------|----------------------|------|
|  |            |                           | Untreated wastewater | Unit |
| Decabromodiphenyl ether (DecaBDE)              | 1163-19-5  | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Pentabromodiphenyl ether (PentaBDE)            | 32534-81-9 | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Octabromodiphenyl ether (OctaBDE)              | 32536-52-0 | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Tris(1-aziridinylphosphine oxide) (TEPA)       | 545-55-1   | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Polybromobiphenyls (PBBs)                      | 59536-65-1 | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Tris(2,3-dibromopropyl phosphate) (TRIS)       | 126-72-7   | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Tetrabromobisphenol A (TBBPA)                  | 79-94-7    | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Bis(2,3-dibromopropyl) phosphate               | 5412-25-9  | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Hexabromocyclododecane (HBCDD)                 | 3194-55-6  | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| 2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)    | 3296-90-0  | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Tris-(2-chloro-1-methylethyl) phosphate (TCPP) | 13674-84-5 | Textile: 25<br>Leather: 5 | ND                   | µg/L |
| Decabromobiphenyl (DecaBB)                     | 13654-09-6 | Textile: 25               | ND                   | µg/L |
| Dibromobiphenyls (DiBB)                        | Multiple   | Textile: 25               | ND                   | µg/L |



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|   |                          |                           |            |      |
|---|--------------------------|---------------------------|------------|------|
| Octabromobiphenyls (OctaBB)                   | Multiple                 | Textile: 25               | ND         | µg/L |
| Dibromopropylether                            | 21850-44-2               | Textile: 25               | ND         | µg/L |
| Heptabromodiphenyl ether (HeptaBDE)           | 68928-80-3               | Textile: 25               | ND         | µg/L |
| Hexabromodiphenyl ether (HexaBDE)             | 36483-60-0               | Textile: 25               | ND         | µg/L |
| Monobromobiphenyls (MonoBB)                   | Multiple                 | Textile: 25               | ND         | µg/L |
| Monobromodiphenylethers (MonoBDEs)            | Multiple                 | Textile: 25               | ND         | µg/L |
| Nonabromobiphenyls (NonaBB)                   | Multiple                 | Textile: 25               | ND         | µg/L |
| Nonabromodiphenyl ether (NonaBDE)             | 63936-56-1               | Textile: 25               | ND         | µg/L |
| Tetrabromodiphenyl ether (TetraBDE)           | 40088-47-9               | Textile: 25               | ND         | µg/L |
| Tribromodiphenylethers (TriBDEs)              | Multiple                 | Textile: 25               | ND         | µg/L |
| Boric acid                                    | 10043-35-3<br>11113-50-1 | Textile: 100*             | ND (ND) ** | µg/L |
| Diboron trioxide                              | 1303-86-2                | Textile: 100*             | ND (ND) ** | µg/L |
| Disodium octaborate                           | 12008-41-2               | Textile: 100*             | ND (ND) ** | µg/L |
| Disodium tetraborate anhydrous                | 1303-96-4<br>1330-43-4   | Textile: 100*             | ND (ND) ** | µg/L |
| Tetraboron disodium heptaoxide, hydrate       | 12267-73-1               | Textile: 100*             | ND (ND) ** | µg/L |
| Tris(2-chloroethyl) phosphate (TCEP)          | 115-96-8                 | Textile: 25<br>Leather: 5 | ND         | µg/L |
| Tris(1,3-dichloro-isopropyl) phosphate (TDCP) | 13674-87-8               | Textile: 25<br>Leather: 5 | ND         | µg/L |

\* Limit refers to elemental boron, not the salt.

\*\*Result in term of elemental boron (Result in term of the corresponding boron salt)



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**13. Glycols/Glycol Ethers**

2-Ethoxyethanol, 2-Methoxyethanol, Ethylene glycol dimethyl ether, Triethylene glycol dimethyl ether: With reference to US EPA 8015C:2007  
 Others: With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items                        | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|-----------------------------------|------------|--|----------------------|------|
|                                   |            |  | Untreated wastewater |      |
| 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 |

**14. Halogenated solvents**

With reference to US EPA 8260D: 2018

| Test Items         | CAS no.  | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|--------------------|----------|--|----------------------|------|
|                    |          |  | Untreated wastewater |      |
| 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 |



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**15. Organotin compounds**

With reference to DIN EN ISO17353:2005 (E)

| Test Items                               | CAS no.                   | Reporting Limit<br>(Textile and Leather) | Result                     | Unit |
|--|---------------------------|--|----------------------------|------|
|  |                           |  | Untreated wastewater       |      |
| Tricyclohexyltin (TCyHT)                 | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Tripropyltin (TPT)                       | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Dipropyltin compounds (DPT)              | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Tetrabutyltin compounds (TeBT)           | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Tetraoctyltin compounds (TeOT)           | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Tetraethyltin Compounds (TeET)           | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Mono-, di- and tri-octyltin derivatives  | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Monooctyltin (MOT)                       | 15231-57-9                | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Diocetyl tin (DOT)                       | 94410-05-6,<br>12531-44-4 | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Triocetyl tin (TOT)                      | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Mono-, di- and tri-methyltin derivatives | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Monomethyltin (MMT)                      | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Dimethyltin (DMT)                        | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Trimethyltin (TMT)                       | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Mono-, di- and tri-butyltin derivatives  | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Monobutyltin (MBT)                       | 1118-46-3,<br>78763-54-9  | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Dibutyltin (DBT)                         | 1002-53-5                 | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Tributyltin (TBT)                        | 56573-85-4                | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Mono-, di- and tri-phenyltin derivatives | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Monophenyltin (MPHT)                     | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Diphenyltin (DPHT)                       | Various                   | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |
| Triphenyltin (TPHT)                      | 892-20-6,<br>668-34-8     | 0.01                                     | ND(<0.10µg/L) <sup>1</sup> | µg/L |



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**16. Other/Miscellaneous Chemicals**

AEEA, Thiourea: With reference to inhouse method followed by LC-MS/MS

Bisphenol A: With reference to ISO 18857-2:2009

Quinoline: With reference to US EPA 3510C:1996 & US EPA 8270E:2018

Borate, zinc salt: US EPA 200.8:1994

| Test Items                              | CAS no.    | Reporting Limit<br>(Textile) | Result                          | Unit |
|---|------------|------------------------------|---------------------------------|------|
|   |            |                              | Untreated wastewater            |      |
| AEEA<br>[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*                         | B: ND (ND) **<br>Zn: ND (ND) ** | µg/L |

\* Limit refers to boron and zinc individually, not the salt.

\*\* Result in term of elemental boron / zinc (Result in term of the corresponding boron / zinc salt)



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**17. Perfluorinated and Polyfluorinated Chemicals (PFCs)**

PFCs: With reference to US EPA 537.1:2020 & inhouse method

FTOH: With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items   | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|--|------------|--|----------------------|------|
|  |            |  | Untreated wastewater |      |
| Perfluoro-octane-sulfonic acid (PFOS)*                     | 1763-23-1  | 0.01                                     | ND                   | µg/L |
| Perfluoro-octanoic acid (PFOA)**                           | 335-67-1   | 0.01                                     | ND                   | µg/L |
| Perfluoro-octane-sulfon-amide (PFOSA)                      | 754-91-6   | 0.01                                     | ND                   | µg/L |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)              | 27905-45-9 | 1  | ND                   | µg/L |
| 1H,1H,2H,2H-Perfluorodecanol (8:2 FTOH)                    | 678-39-7   | 1  | ND                   | µg/L |
| N-Methyl-perfluoro-octane-sulfon-amido-ethanol (N-Me-FOSE) | 24448-09-7 | 0.01                                     | ND                   | µg/L |
| N-Ethyl-Perfluoro-octane-sulfon-amido-ethanol (N-Et-FOSE)  | 1691-99-2  | 0.01                                     | ND                   | µg/L |
| N-Methyl-perfluoro-octane-sulfon-amide (N-Me-FOSA)         | 31506-32-8 | 0.01                                     | ND                   | µg/L |
| N-Ethyl-perfluoro-octane-sulfon-amide (N-Et-FOSA)          | 4151-50-2  | 0.01                                     | ND                   | µg/L |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)         | 39108-34-4 | 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 |
| 8:2 Fluorotelomer methacrylate (8:2 FTMA)                  | 1996-88-9  | 1  | ND                   | µg/L |

\* PFOS refer to its salts/derivative including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (CAS No.: 56773-42-3) and POSF (CAS No.: 307-35-7)

\*\* PFOA refer to its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1)



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18. Phthalates – including all other esters of ortho-phthalic acid

With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items  | CAS no.                   | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|---|---------------------------|--|----------------------|------|
|   |                           |  | Untreated wastewater |      |
| 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                | 10                                       | ND                   | µg/L |
| Di-iso-nonyl phthalate (DINP)   | 28553-12-0                | 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 |
| Dinonyl phthalate (DNP)   | 84-76-4                   | 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 linearalkyl esters (DHNUP)        | 68515-42-4,<br>68515-50-4 | 10                                       | ND                   | µg/L |
| 1,2-benzenedicarboxylic acid, di-C6-8 branched and linearalkyl esters, C7-rich (DIHP) | 71888-89-6,<br>84777-06-0 | 10                                       | ND                   | µg/L |
| Di-n-pentylphthalates   | 131-18-0                  | 10                                       | ND                   | µg/L |
| Diisopentylphthalates   | 605-50-5                  | 10                                       | ND                   | µg/L |



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19. Polycyclic aromatic hydrocarbons (PAHs)

With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items              | CAS no.   | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|-------------------------|-----------|--|----------------------|------|
|                         |           |  | Untreated wastewater |      |
| 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 |



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**20. Restricted Aromatic Amines (Cleavable from Azo-colourants)**

With reference to EN ISO 14362-1:2017, EN ISO 14362-3:2017 (if needed), US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items  | CAS no.    | Reporting Limit<br>(Textile and Leather) | Result               | Unit |
|---|------------|--|----------------------|------|
|   |            |  | Untreated wastewater |      |
| 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 |
| 2,4-Diaminoanisole  | 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 |
| 2,4-Diaminotoluene  | 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;<br>2,4-diaminoanisole sulphate | 39156-41-7 | 0.1                                      | ND                   | µg/L |



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**21. UV Absorbers**

With reference to inhouse method followed by LC-MS/MS

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

**22. Volatile organic compounds (VOCs)**

Benzene, Xylene, Toluene: With reference to US EPA 8260D: 2018

m-cresol / o-cresol / p-cresol: With reference to US EPA 3510C:1996 & US EPA 8270E:2018

| Test Items | CAS no.   | Reporting Limit   | Result               | Unit |
|------------|-----------|---|----------------------|------|
|            |           |   | Untreated wastewater |      |
| Benzene    | 71-43-2   | Textile and Leather: 1                                  | ND                   | µg/L |
| Xylene     | 1330-20-7 | Textile: 1  | ND                   | µg/L |
| o-cresol   | 95-48-7   | Textile and Leather: 1                                  | ND                   | µg/L |
| p-cresol   | 106-44-5  | Textile and Leather: 1                                  | ND                   | µg/L |
| m-cresol   | 108-39-4  | Textile and Leather: 1                                  | ND                   | µg/L |
| Toluene    | 108-88-3  | Textile: 1<br>(Sample and Report only for mock leather) | ND                   | µg/L |

**Remark**

1) LOR values have been adjusted accordingly due to matrix interference.

ND = Not detected (< Reporting Limit)

NA = Not applicable

- = Not required to be tested



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**SLUDGE**

**23. Sludge Parameters - Step 1 – Conventional**

pH: HJ 962-2018

% Solids: HJ 613-2011

Paint Filter Test: US EPA 9095B:2004

Fecal Coliform: USEPA 1681

| Test Items        | CAS no. | Limit                  |                        |                        |                        |                        |                        |                        | Reporting Limit | Result              | Unit  |
|-------------------|---------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------|---------------------|-------|
|                   |         | Pathway A              | Pathway B              | Pathway C              | Pathway D              | Pathway E              | Pathway F              | Pathway G              |                 | Sludge              |       |
| pH                | -       | Sample and Report Only | Sample and Report Only | 5-11                   | 5-11                   | 5-11                   | 6.5-9                  | 6.5-9                  | -               | 7.2                 | s.u.  |
| % Solids          | -       | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | -               | 43.9                | %     |
| Paint Filter Test | -       | Sample and Report Only | Sample and Report Only | Sample and Report Only | Pass                   | Pass                   | Pass                   | Sample and Report Only | -               | Pass                | -     |
| Fecal Coliform    | -       | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | Sample and Report Only | 1000                   | 1000                   | 1000            | 1.3*10 <sup>4</sup> | MPN/g |

**24. Sludge Parameters – Step 1 – Anions**

With reference to HJ 745-2015

| Test Items | CAS no. | Limit – Dry weight     |                        |           |           |           |           |           | Reporting Limit (Textile) | Result | Unit  |
|------------|---------|------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|---------------------------|--------|-------|
|            |         | Pathway A              | Pathway B              | Pathway C | Pathway D | Pathway E | Pathway F | Pathway G |                           | Sludge |       |
| Cyanide    | -       | Sample and Report Only | Sample and Report Only | 100       | 85        | 70        | 70        | 70        | 20                        | ND     | mg/kg |



25. Sludge Parameters – Step 1 – Metals

Cr VI: US EPA 3060A:1996 & EPA 7196A:1996

Hg: HJ 923-2017

Others: US EPA 3050B:1996 & US EPA 6020B:2014

| Test Items          | CAS no. | Limit – Dry weight             |                                      | Reporting Limit           | Result | Unit  |
|---------------------|---------|--------------------------------|--------------------------------------|---------------------------|--------|-------|
|                     |         | Total Metals Threshold Values* | Max Total Metals limit for Pathway G |                           |        |       |
| Arsenic (As)        | Various | 10                             | 75                                   | Textile: 5<br>Leather 2   | ND     | mg/kg |
| Cadmium (Cd)        | Various | 3                              | 85                                   | Textile: 1<br>Leather 2   | ND     | mg/kg |
| Mercury (Hg)        | Various | 1                              | 57                                   | Textile: 1<br>Leather 0.2 | ND     | mg/kg |
| Lead (Pb)           | Various | 10                             | 840                                  | Textile: 5<br>Leather 2   | 6      | mg/kg |
| Antimony (Sb)       | Various | 12                             | Sample and Report Only               | Textile: 5                | 443    | mg/kg |
| Cobalt (Co)         | Various | 1600                           | Sample and Report Only               | Textile: 400              | ND     | mg/kg |
| Nickel (Ni)         | Various | 70                             | 420                                  | Textile: 20               | 35     | mg/kg |
| Silver (Ag)         | Various | 100                            | Sample and Report Only               | Textile: 50               | ND     | mg/kg |
| Copper (Cu)         | Various | 200                            | 4300                                 | Textile: 50               | 105    | mg/kg |
| Zinc (Zn)           | Various | 1000                           | 7500                                 | Textile: 400              | 800    | mg/kg |
| Total Chromium (Cr) | Various | 100                            | 3000                                 | Textile: 50               | 390    | mg/kg |
| Chromium VI (Cr VI) | Various | 50                             | 50                                   | Textile: 20<br>Leather 2  | ND     | mg/kg |
| Barium (Ba)         | Various | 700                            | Sample and Report Only               | Textile: 200              | ND     | mg/kg |
| Selenium (Se)       | Various | 10                             | 100                                  | Textile: 5                | ND     | mg/kg |

\* Leachate should be tested if Total Metals Threshold Values is exceeded in sludge.



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

NP/OP: With reference to inhouse method followed by GC-MS

NPEO/OPEO: With reference to inhouse method followed by GC-MS & LC-MS/MS

| Test Items                    | CAS no.  | Limit – Dry weight     |                        |                        |           |           |           |           | Reporting Limit<br>(Textile and Leather) | Result | Unit  |
|-------------------------------|--|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|--|--------|-------|
|                               |  | Pathway A              | Pathway B              | Pathway C              | Pathway D | Pathway E | Pathway F | Pathway G |  | Sludge |       |
| Octylphenol (OP)              | 140-66-9/ 1806-26-4/<br>27193-28-8                         | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.4       | 0.4       | 0.4       | 0.4       | 0.4                                      | ND     | mg/kg |
| Nonylphenol (NP)              | 104-40-5/ 11066-49-2/<br>25154-52-3/84852-15-3             | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.4       | 0.4       | 0.4       | 0.4       | 0.4                                      | ND     | mg/kg |
| Octylphenoethoxylates (OPEOs) | 9002-93-1/9036-19-5/<br>68987-90-6                         | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.4       | 0.4       | 0.4       | 0.4       | 0.4                                      | ND     | mg/kg |
| Nonylphenoethoxylates (NPEOs) | 9016-45-9/26027-38-3/<br>37205-87-1/68412-54-4/127087-87-0 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.4       | 0.4       | 0.4       | 0.4       | 0.4                                      | ND     | mg/kg |

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

With reference to US EPA 3570 & US EPA 8270E:2018

| Test Items           | CAS no.  | Limit – Dry weight     |                        |                        |           |           |           |           | Reporting Limit<br>(Textile) | Result | Unit  |
|----------------------|----------|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|------------------------------|--------|-------|
|                      |          | Pathway A              | Pathway B              | Pathway C              | Pathway D | Pathway E | Pathway F | Pathway G |                              | Sludge |       |
| Benzo(a)pyrene (BaP) | 50-32-8  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                          | ND     | mg/kg |
| Anthracene           | 120-12-7 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                          | ND     | mg/kg |
| Pyrene               | 129-00-0 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                          | ND     | mg/kg |
| Benzo(ghi)perylene   | 191-24-2 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                          | ND     | mg/kg |



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|                         |           |                        |                        |                        |     |     |     |     |     |    |       |
|-------------------------|-----------|------------------------|------------------------|------------------------|-----|-----|-----|-----|-----|----|-------|
| Benzo(e)pyrene          | 192-97-2  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Indeno (1,2,3-cd)pyrene | 193-39-5  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Benzo(j)fluoranthene    | 205-82-3  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Benzo(b)fluoranthene    | 205-99-2  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Fluoranthene            | 206-44-0  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Benzo(k)fluoranthene    | 207-08-09 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Acenaphthylene          | 208-96-8  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Chrysene                | 218-01-9  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Dibenz(a,h)anthracene   | 53-70-3   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Benzo(a)anthracene      | 56-55-3   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Acenaphthene            | 83-32-9   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Phenanthrene            | 85-01-8   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Fluorene                | 86-73-7   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Naphthalene             | 91-20-3   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |



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|  |  | Report Only | Report Only | Report Only |  |  |  |  |  |  |
|--|--|-------------|-------------|-------------|--|--|--|--|--|--|



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28. Sludge Parameters - Step 1 - MRSL – Chlorotoluenes

With reference to US EPA 3570 & US EPA 8270E:2018

| Test Items             | CAS no.    | Limit – Dry weight     |                        |                        |           |           |           |           | Reporting Limit<br>(Textile and Leather) | Result | Unit  |
|------------------------|------------|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|--|--------|-------|
|                        |            | Pathway A              | Pathway B              | Pathway C              | Pathway D | Pathway E | Pathway F | Pathway G |  | Sludge |       |
| 2-Chlorotoluene        | 95-49-8    | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 3-Chlorotoluene        | 108-41-8   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 4-Chlorotoluene        | 106-43-4   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,3-Dichlorotoluene    | 32768-54-0 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,4-Dichlorotoluene    | 95-73-8    | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,5-Dichlorotoluene    | 19398-61-9 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,6-Dichlorotoluene    | 118-69-4   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 3,4-Dichlorotoluene    | 95-75-0    | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 3,5-Dichlorotoluene    | 25186-47-4 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,3,4-Trichlorotoluene | 7359-72-0  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |
| 2,3,6-Trichlorotoluene | 2077-46-5  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2       | 0.2       | 0.2       | 0.2       | 0.2                                      | ND     | mg/kg |



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|                            |            |                        |                        |                        |     |     |     |     |     |    |       |
|----------------------------|------------|------------------------|------------------------|------------------------|-----|-----|-----|-----|-----|----|-------|
| 2,4,5-Trichlorotoluene     | 6639-30-1  | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| 2,4,6-Trichlorotoluene     | 23749-65-7 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| 3,4,5-Trichlorotoluene     | 21472-86-6 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| 2,3,4,5-Tetrachlorotoluene | 76057-12-0 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| 2,3,5,6-Tetrachlorotoluene | 29733-70-8 | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| 2,3,4,6-Tetrachlorotoluene | 875-40-1   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |
| Pentachlorotoluene         | 877-11-2   | Sample and Report Only | Sample and Report Only | Sample and Report Only | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ND | mg/kg |



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**LEACHATE**

**29. Leachate Parameters - Step 2 – Metals**

Cr (VI): USEPA 1311:1992, US EPA 3060A:1996 & EPA 7196A:1996

Hg: USEPA 1311:1992 & HJ 694-2014

Others: USEPA 1311:1992 & USEPA 200.8:1994

| Test Items    | CAS no. | Limit                  |                        |           |           |           |           |           | Reporting Limit | Result   |      |
|---------------|---------|------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|----------|------|
|               |         | Pathway A              | Pathway B              | Pathway C | Pathway D | Pathway E | Pathway F | Pathway G |                 | Leachate | Unit |
| Arsenic (As)  | Various | Sample and Report Only | Sample and Report Only | 5         | 2.75      | 0.5       | 0.5       | 0.5       | 0.005           | -        | mg/L |
| Cadmium (Cd)  | Various | Sample and Report Only | Sample and Report Only | 1         | 0.58      | 0.15      | 0.15      | 0.15      | 0.01            | -        | mg/L |
| Mercury (Hg)  | Various | Sample and Report Only | Sample and Report Only | 0.2       | 0.125     | 0.05      | 0.05      | 0.05      | 0.001           | -        | mg/L |
| Lead (Pb)     | Various | Sample and Report Only | Sample and Report Only | 5         | 2.75      | 0.5       | 0.5       | 0.5       | 0.01            | -        | mg/L |
| Antimony (Sb) | Various | Sample and Report Only | Sample and Report Only | 15        | 7.8       | 0.6       | 0.6       | 0.6       | 0.01            | 0.07     | mg/L |
| Cobalt (Co)   | Various | Sample and Report Only | Sample and Report Only | 80        | 80        | 80        | 80        | 80        | 0.01            | -        | mg/L |
| Nickel (Ni)   | Various | Sample and Report Only | Sample and Report Only | 20        | 11.75     | 3.5       | 3.5       | 3.5       | 0.05            | -        | mg/L |
| Silver (Ag)   | Various | Sample and Report Only | Sample and Report Only | 5         | 5         | 5         | 5         | 5         | 0.005           | -        | mg/L |
| Copper (Cu)   | Various | Sample and Report Only | Sample and Report Only | 25        | 17.5      | 10        | 10        | 10        | 0.25            | -        | mg/L |
| Zinc (Zn)     | Various | Sample and Report Only | Sample and Report Only | 250       | 150       | 50        | 50        | 50        | 0.1             | -        | mg/L |



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|                     |         | Report Only            | Report Only            |     |      |     |     |     |       |    |      |
|---------------------|---------|------------------------|------------------------|-----|------|-----|-----|-----|-------|----|------|
| Total Chromium (Cr) | Various | Sample and Report Only | Sample and Report Only | 15  | 10   | 5   | 5   | 5   | 0.05  | ND | mg/L |
| Chromium VI (Cr VI) | Various | Sample and Report Only | Sample and Report Only | 5   | 3.75 | 2.5 | 2.5 | 2.5 | 0.001 | -  | mg/L |
| Barium (Ba)         | Various | Sample and Report Only | Sample and Report Only | 100 | 67.5 | 35  | 35  | 35  | 35    | -  | mg/L |
| Selenium (Se)       | Various | Sample and Report Only | Sample and Report Only | 1   | 0.75 | 0.5 | 0.5 | 0.5 | 0.5   | -  | mg/L |

**Remark**

ND = Not detected (< Reporting Limit)  
 NA = Not applicable  
 - = Not required to be tested  
 1 µg/L = 0.001 ppm



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Annex A: Sampling photos & Sampling locations

| UNTREATED WASTEWATER  |
|---|
| Date & Time of Measurement: 15/10/2024; 8:50<br>GPS Data: 29°46'09" N, 120°14'08" E |
| SAMPLING LOCATION, CLOSE-UP VIEW  |
|   |
| SAMPLING LOCATION, FAR VIEW   |
|  |

| EFFLUENT   |
|--|
| Date & Time of Measurement: 15/10/2024; 8:30<br>GPS Data: 29°46'13" N, 120°14'08" E  |
| SAMPLING LOCATION, CLOSE-UP VIEW   |
|   |
| SAMPLING LOCATION, FAR VIEW  |
|  |



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**SLUDGE**

Date & Time of Measurement: 15/10/2024; 13:00

GPS Data: 29°46'16" N, 120°14'28" E

**SAMPLING LOCATION, CLOSE-UP VIEW**



**SAMPLING LOCATION, FAR VIEW**



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## Annex B: ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

BHR\_A-WW-C5-018-16



### ZDHC废水采样现场数据表和代表性样品声明 ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

#### ZDHC废水采样信息 ZDHC Wastewater Sampling Information:

工厂名称 Factory Name: 浙江嘉利印业有限公司  
工厂地址 Factory Address: 浙江嘉兴嘉利印业有限公司37号  
采样日期 Sampling Date: 2024.10.15  
采样种类 Sampling Type:  Incoming Water  Untreated Wastewater  Effluent  Sludge  
样品ID Sample ID: 

|  |                    |                    |                    |
|--|--------------------|--------------------|--------------------|
|  | <u>SL24-0346.2</u> | <u>SL24-0346.1</u> | <u>SL24-0346.3</u> |
|--|--------------------|--------------------|--------------------|

  
采样地点 Sampling Location: 

|  |              |            |            |
|--|--------------|------------|------------|
|  | <u>废水处理口</u> | <u>排出口</u> | <u>3号池</u> |
|--|--------------|------------|------------|

  
GPS数据 GPS Data: 

|  |                                     |                                     |                                     |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
|  | <u>29°46'14.14" N, 120°14'58" E</u> | <u>29°46'15.14" N, 120°14'58" E</u> | <u>29°46'16.14" N, 120°14'58" E</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|

  
采样时间 Sampling Time: 

|  |                     |                    |                      |
|--|---------------------|--------------------|----------------------|
|  | <u>8:30 - 11:00</u> | <u>8:30 - 8:40</u> | <u>13:30 - 14:00</u> |
|--|---------------------|--------------------|----------------------|

#### 采样员信息 Sampler Information:

采样员姓名 Sampler Name: 张利超  
采样员邮箱 Sampler E-mail: Doan.zhang@sgs.com  
ZDHC授权采样员证书号 ZDHC Sampler Accreditation Cert. No.: C1740106818014

#### 采样方法 Sampling Method:

Incoming Water:  Grab  6-hour Composite  Others, please specify: \_\_\_\_\_  
 Autosampler  Manual  
Untreated Wastewater:  Grab  6-hour Composite  Others, please specify: \_\_\_\_\_  
 Autosampler  Manual  
Effluent:  Grab  6-hour Composite  Others, please specify: \_\_\_\_\_  
 Autosampler  Manual  
Sludge:  Grab  6-hour Composite  Others, please specify: \_\_\_\_\_  
 Autosampler  Manual

#### 排放方式 Discharge Method:

Direct  Indirect (w/pretreatment)  Indirect (w/o pretreatment)  Zero Liquid Discharge (ZLD)

#### ZDHC废水采样现场测试QA/QC ZDHC Wastewater Sampling Field Testing QA/QC

| Parameter      | LCS Known   | LCS Measured | Accuracy %  |
|----------------|-------------|--------------|-------------|
| pH             | <u>7.12</u> | <u>7.0</u>   | <u>99.7</u> |
| Total Chlorine | <u>NA</u>   | <u>NA</u>    | <u>NA</u>   |

#### ZDHC废水流量尺寸 ZDHC Wastewater Flow Device Dimensions

| Measurement (cm) | Meter     | Pipe (D)  | Flange (U) | Wier (V)  |
|------------------|-----------|-----------|------------|-----------|
| Diameter         | <u>NA</u> | <u>NA</u> | <u>NA</u>  | <u>NA</u> |
| Depth            | <u>NA</u> | <u>NA</u> | <u>NA</u>  | <u>4A</u> |

#### ZDHC废水采样现场测试测量 (见附带的测试记录表)

#### ZDHC Wastewater Sample Collection Field Test Measurements (See attached data sheets of Water/Soil sampling records)

#### ZDHC废水采样工厂确认 ZDHC Wastewater Sampling - Facility Confirmation

废水样本是在工厂正常生产规模和废水流量下采集的。The wastewater samples have been collected under the facility's normal production scale and wastewater flow rate. 下列列出的采样员来到现场并收集了样品。The sampler listed below was on-site and collected the samples.

工厂名称 Factory Name: 浙江嘉利印业有限公司 采样员姓名 Sampler Name: 张利超  
工厂代表姓名 Factory Representative Name: 张利超 ZDHC授权采样员证书号 ZDHC Sampler Accreditation Cert. No.: C1740106818014  
工厂代表签名和印章 Factory Representative Signature and Stamp: 张利超 采样员签名 Sampler Signature: 张利超  
日期 Date: 2024.10.15 日期 Date: 2024.10.15

Effective date: 2021.12.22



## UNTREATED WASTEWATER



### 水质采样记录 Water Sampling Records

SHSL-R-WI-CS-016-02

任务单号 Task Number: SL4-0346L 采样日期 Sampling Date: 2024, 10, 15 委托单位 Client: ETX TRADEING SA  
 天气状况 Weather Conditions: 21.11 水体类型 Type of Water: 废水水 受检单位 Factory: 浙江象屿印染有限公司  
 其他仪器设备 (名称、编号) Other instruments and equipment (name, number): PH计 TX-781  
 参考采样规范 Reference Sampling Specification:  ZDHC-SAP  Others:

| 样品编号<br>Sample Number | 采样位置<br>Sampling Location | 采样时间<br>Sampling Time (Hours) | 温度 Temp (°C)                 |                         | pH   | 溶解氧<br>Dissolved Oxygen (mg/L) | 总氯<br>Total Chlorine (mg/L) | 废水流量<br>Wastewater Flow Meter (L/min) | 交替测量流量<br>Alternate Measured Flow |                       | 采样体积<br>Sample Volume (mL) | 容器材质<br>Container Material | 保存方式<br>Storage Method | 可见颜色<br>Visible Colour | 持久性泡沫<br>Persistent Foam (Yes/No) |
|-----------------------|---------------------------|-------------------------------|------------------------------|-------------------------|------|--------------------------------|-----------------------------|---------------------------------------|-----------------------------------|-----------------------|----------------------------|----------------------------|------------------------|------------------------|-----------------------------------|
|                       |                           |                               | 废水排放<br>Wastewater Discharge | 接收水体<br>Receiving Water |      |                                |                             |                                       | 深度<br>Depth (cm)                  | 速度<br>Velocity (cm/s) |                            |                            |                        |                        |                                   |
| 524253431             | 废水集中池                     | 0 8:10-9:00                   | 41.1                         |                         | 9.9  |                                |                             |                                       |                                   |                       |                            |                            |                        | 褐色                     | No                                |
|                       |                           | 1 9:10-10:00                  | 41.5                         |                         | 9.7  |                                |                             |                                       |                                   |                       |                            |                            |                        | 褐色                     | No                                |
|                       |                           | 2 10:10-11:00                 | 37.3                         |                         | 9.5  |                                |                             |                                       |                                   |                       |                            |                            |                        | 褐色                     | No                                |
|                       |                           | 3 11:10-12:00                 | 40.9                         |                         | 8.8  |                                |                             |                                       |                                   |                       | 6990                       | PE                         | 1.2.1.4                | 棕色                     | No                                |
|                       |                           | 4 12:10-13:00                 | 37.6                         |                         | 10.6 |                                |                             |                                       |                                   |                       |                            |                            |                        | 蓝色                     | No                                |
|                       |                           | 5 13:10-14:00                 | 37.9                         |                         | 10.4 |                                |                             |                                       |                                   |                       |                            |                            |                        | 蓝色                     | No                                |
|                       |                           | 6 14:10-15:00                 | 38.4                         |                         | 9.9  |                                |                             |                                       |                                   |                       |                            |                            |                        | 蓝色                     | No                                |
| 均值<br>Average         |                           |                               | 39.2                         |                         | 9.8  |                                |                             |                                       |                                   |                       |                            |                            |                        | 蓝色                     | No                                |

备注: 容器材质: P代表PE瓶, G代表玻璃瓶; VOA vial代表棕色玻璃瓶; ST.Steel代表不锈钢; G-TLC代表盖子带有特氟龙内衬的棕色玻璃瓶; P(A)代表酸洗过的塑料瓶; G(A)=Glass (Acid Washed)酸洗过的玻璃瓶。  
 Container material: P for PE bottles, G for glass bottles, VOA vial for brown glass bottles, ST.Steel for stainless steel, G-TLC for brown glass bottles with Teflon lining lids, P(A) for pickled plastic bottles, G(A) = Glass (Acid Washed) for pickled glass bottles.  
 水质外观: 水体颜色、气味、有无悬浮物等。 Apparent water quality: water color, smell, presence or absence of floating objects, etc.  
 周边环境: 有无排污口, 是否死水区、回水区, 有无居民区、工业区, 有无居民区、工业区和农药化肥使用区等。  
 Surrounding environment: whether there is a sewage outlet, whether there is a stagnant water area, a backwater area, whether there is a residential area, an industrial area, whether there is a residential area, an industrial area and a pesticide and fertilizer use area, etc.  
 保存方式 Storage method: 1. 标签完好 Unbroken label 2. 冷藏 Refrigeration 3. 避光 Protect from light 4. 减振措施 Vibration reduction 5. 其他 Others:

照片拍摄时间 Time of Photo: 2024.10.15 8:50  
 其他现场信息: Additional on-site information

采样员 Sampler: 张 4 起

客户确认 Client Confirmation: 张柳梅

Effective date: 2023.12.26



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 Softline Laboratory

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EFFLUENT



水质采样记录

SHSL-R-WI-CS-016-02

Water Sampling Records

任务单号 Task Number: SL24-0346 采样日期 Sampling Date: 2024, 10, 15 委托单位 Client: ETX TRADEN4 SA  
 天气状况 Weather Conditions: 22 °C 水体类型 Type of Water: 排放废水 受检单位 Factory: 浙江信安化学有限公司  
 其他仪器设备 (名称、编号) Other instruments and equipment (name, number): PH14 TX781  
 参考采样规范 Reference Sampling Specification:  ZDHC-SAP  Others:

| 样品编号<br>Sample Number | 采样位置<br>Sampling Location | 采样时间<br>Sampling Time (Hours) | 温度 Temp (°C)                 |                         | pH  | 溶解氧<br>Dissolved Oxygen (mg/L) | 总氯<br>Total Chlorine (mg/L) | 废水流量<br>Wastewater Flow Meter (L/min) | 交替测量流量<br>Alternate Measured Flow |                       | 采样体积<br>Sample Volume (mL) | 容器材质<br>Container Material | 保存方式<br>Storage Method | 可见颜色<br>Visible Colour | 持久性泡沫<br>Persistent Foam (Yes/No) |
|-----------------------|---------------------------|-------------------------------|------------------------------|-------------------------|-----|--------------------------------|-----------------------------|---------------------------------------|-----------------------------------|-----------------------|----------------------------|----------------------------|------------------------|------------------------|-----------------------------------|
|                       |                           |                               | 废水排放<br>Wastewater Discharge | 接收水体<br>Receiving Water |     |                                |                             |                                       | 深度<br>Depth (cm)                  | 速度<br>Velocity (cm/s) |                            |                            |                        |                        |                                   |
| SL240346              | 排放口                       | 8:30-8:40                     | 30.4                         | —                       | 6.8 | —                              | —                           | 富氧中                                   | —                                 | —                     | 330                        | PE                         | 密封                     | 无色                     | N.                                |
|                       |                           | 1 11:00                       |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
|                       |                           | 2                             |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
|                       |                           | 3                             |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
|                       |                           | 4                             |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
|                       |                           | 5                             |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
|                       |                           | 6                             |                              |                         |     |                                |                             | 富氧中                                   |                                   |                       |                            |                            |                        |                        |                                   |
| 均值<br>Average         |                           |                               |                              |                         |     |                                |                             |                                       |                                   |                       |                            |                            |                        |                        |                                   |

备注: 容器材质: P代表PE瓶, G代表玻璃瓶; VOA vial代表棕色玻璃瓶; ST.Steel代表不锈钢; G-TLC 代表盖于带有特氟龙内衬的棕色玻璃瓶; P(A) 代表酸洗过的塑料瓶; G(A) = Glass (Acid Washed)酸洗过的玻璃瓶。  
 Container material: P for PE bottles, G for glass bottles, VOA vial for brown glass bottles, ST.Steel for stainless steel, G-TLC for brown glass bottles with Teflon lining lids, P(A) for pickled plastic bottles, G(A) = Glass (Acid Washed) for pickled glass bottles.  
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 Surrounding environment: whether there is a sewage outlet, whether there is a stagnant water area, a backwater area, whether there is a residential area, an industrial area, whether there is a residential area, an industrial area and a pesticide and fertilizer use area, etc.  
 保存方式 Storage method:  标签完好 Unbroken label  冷藏 Refrigeration  避光 Protect from light  减振措施 Vibration reduction 5.其他Others:  
 照片拍摄时间 Time of Photo: 2024.10.15 8:30  
 其他现场信息: 曝气池无异常, 120吨/h, 均质搅拌

采样员 Sampler: 张利超

客户确认 Client Confirmation: 张利超

Effective date: 2023.12.26



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SLUDGE



SHSL-R-WI-CS-016-03

土壤采样记录  
Soil Sampling Records

任务单号Task Number: SL524-01463

采样日期Sampling Date: 2024, 10, 15

委托单位Client: ITX TRADEWAY SA.

天气状况Weather Conditions: 22°晴

采样仪器Sampling Instrument: —

受检单位Factory: 浙江嘉利国际物流有限公司

| 样品编号<br>Sample Number | 采样位置<br>Sampling Location | 采样时间<br>Sampling Time (Hours) | 采样量<br>Sample Size | 容器材质<br>Container Material | 采样深度<br>Sampling Depth | 样品描述<br>Sample Description | GPS                     | 备注<br>Remark |
|-----------------------|---------------------------|-------------------------------|--------------------|----------------------------|------------------------|----------------------------|-------------------------|--------------|
| SL524-01463           | 15号库                      | 13:00-13:10                   | 1800g              | G                          | —                      | 黑色块状物                      | 29°46'16"N, 120°14'28"E |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |
|                       |                           |                               |                    |                            |                        |                            |                         |              |

备注 Remarks: 容器材质: G代表玻璃瓶 Container Material: G stands for glass bottle 照片拍摄时间Time of Photo: 2024.10.15 13:00

☑ 样品现场密封 Samples are sealed in the field

采样现场周围异味 Odor around the sampling site:  恶臭foul odor  很臭very smelly  臭smelly  微臭slightly smelly  其他Others \_\_\_\_\_ :

采样员Sampler: 张利超

客户确认Client Confirmation: 张柳彬



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**Annex C: Limit according to FACTORY DISCHARGE LICENCE BASED ON GB 4287-2012 Discharge standards**

1、废水污染物排放许可限值

(1) 主要排放口

| 排放口编号 | 排放口名称  | 污染物种类      | 许可排放浓度限值 (mg/L) |
|-------|--------|------------|-----------------|
| DW001 | 污水总排放口 | 总镉         | 0.1mg/L         |
| DW001 | 污水总排放口 | 悬浮物        | 100mg/L         |
| DW001 | 污水总排放口 | 化学需氧量      | 200mg/L         |
| DW001 | 污水总排放口 | 色度         | 80              |
| DW001 | 污水总排放口 | 二氧化氯       | 0.5mg/L         |
| DW001 | 污水总排放口 | 五日生化需氧量    | 50mg/L          |
| DW001 | 污水总排放口 | 苯胺类        | 1.0mg/L         |
| DW001 | 污水总排放口 | 硫化物        | 0.5mg/L         |
| DW001 | 污水总排放口 | 流量         | /mg/L           |
| DW001 | 污水总排放口 | 氨氮 (NH3-N) | 20mg/L          |
| DW001 | 污水总排放口 | pH值        | 6-9             |
| DW001 | 污水总排放口 | 总磷 (以P计)   | 1.5mg/L         |
| DW001 | 污水总排放口 | 可吸附有机卤化物   | 12mg/L          |
| DW001 | 污水总排放口 | 总氮 (以N计)   | 30mg/L          |

\*\*\*\*END OF REPORT\*\*\*\*



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