



# TEST REPORT

Technical Report/技术报告

(6622)242-1073

September 21, 2022

Date Received  
收到时间

August 26, 2022  
2022 年 8 月 26 日

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Factory Company Name  
公司名称:

Jiangyin Benda Garment Co., Ltd  
江阴奔达服饰有限公司

Factory Address  
公司地址:

No.2 Huachang Road, Zhutang Town, Jiangyin City, Jiangsu Province  
江苏省江阴市祝塘镇华昌路 2 号

Project No.  
项目编号:

N/A

Client Reference No.  
客户编号:

N/A

Sampling Method/采样方法:

I001) Raw Wastewater/原始废水- 6 hours - Time - weighted Composite /6 小时加权混合\*

I002) Treated Wastewater/处理后废水- 6 hours - Time - weighted Composite/6 小时加权混合\*

Sample Pick Up Date  
采样时间:

August 26, 2022  
2022 年 8 月 26 日

Wastewater Discharge to/污水  
排放至:

Centralized ETP  
集中的污水处理中心

On-Site Effluent Treatment  
Plant (ETP)

Yes

是否有内部污水处理厂:

是

Discharge Type  
排放类型:

Indirect Discharge  
间接排放

Off-site ETP name (if  
applicable)

Wuxi Huishan Environmental Water Co.,Ltd (Zhutang Branch Office)

外部处理厂名称:

无锡惠山环保水务有限公司祝塘分公司

Off-site ETP address (if  
applicable)

Zhutang Town, Jiangyin City, Jiangsu Province

外部污水处理厂地址:

江苏省江阴市祝塘镇

Local Regulation: / Ordinance /  
requirements related to  
wastewater discharged are  
followed:

GB 4287-2012; DB 32/3432-2018

当地法规: 遵守与废水排放  
相关的条例/要求

Permit Validation Date:

29/08/2022

批准日期:

Parameters Exceeded Local  
Regulation

N/A

超出当地规定的参数:

Legal compliance:

Comply

合法合规:

符合

Conventional Parameters

Comply

Overall Category:

符合

常规参数:

Test Period

August 26, 2022 to September 21, 2022

测试周期:

2022 年 8 月 26 日至 2022 年 9 月 21 日



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**Sample Description**

样品描述:

I001) Light blue liquid /浅蓝色液体– Raw Wastewater/原始废水

I002) Light yellow liquid /浅黄色液体–Treated Wastewater/处理后废水

Parameters exceeded maximum  
holding time

N/A

参数超过最大保持时间:

**REMARK/备注**

If there are questions or concerns on this report, please contact the following persons:

若有任何疑问或咨询,可通过下述联络方式与我们联系

General enquiry and invoicing

常规咨询和发票

Mr. Henry Chen

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Technical enquiry-Chemical

化学技术问题

Mr. Steven Han

韩政先生

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This report shown the test result of the auxiliary chemical and/or raw material samples, which collected during particular factory audit. The results of this report shall not be used for any regulatory compliance purposes.

此报告所示为特定工厂审核时收集的化学助剂和/或原材料样品的结果,此报告的结果不得用于任何遵循法规的目的。

\* The sampling is agreed with client.

采样已经过客户允许

**BUREAU VERITAS**

**CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**

必维申美商品检测(上海)有限公司

Laboratory Test Location 实验室检测地址:

No.368, Guangzhong Road, Zhuanqiao Town, Minhang,  
Shanghai.

上海市闵行区光中路 368 号

No.168, Guanghua Road, Zhuanqiao Town, Minhang, Shanghai.

上海市闵行区光华路 168 号

PREPARED BY:

Henry

Steven Han

Technical Manager



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### Executive Summary/执行摘要

| <b>1A) Conventional Parameters</b>                       | <b>I001</b> | <b>I002</b>              |
|----------------------------------------------------------|-------------|--------------------------|
| Temperature/温度                                           | NR          | N/A                      |
| TSS /总悬浮固体                                               |             | <input type="checkbox"/> |
| COD /化学需氧量                                               |             | <input type="checkbox"/> |
| Total-N /总氮                                              |             | <input type="checkbox"/> |
| pH Value /酸碱值                                            |             | <input type="checkbox"/> |
| Color [m <sup>-1</sup> ] (436nm; 525nm; 620nm) /色度       |             | N/A                      |
| BOD <sub>5</sub> /五日生化需氧量                                |             | <input type="checkbox"/> |
| Ammonium-N /氨态氮                                          |             | <input type="checkbox"/> |
| Total-P /总磷                                              |             | <input type="checkbox"/> |
| AOX /可吸附有机卤化物                                            |             | N/A                      |
| Oil and Grease/油和油脂                                      |             | N/A                      |
| Phenol /苯酚                                               |             | N/A                      |
| Coliform /大肠菌群                                           |             | N/A                      |
| Persistent Foam /泡沫                                      |             | N/A                      |
| ANIONS - Cyanide/阴离子 - 氰化物                               |             | N/A                      |
| ANIONS - Sulfide /阴离子 - 硫化物                              |             | <input type="checkbox"/> |
| ANIONS - Sulfite /阴离子 - 亚硫酸盐                             |             | N/A                      |
| <b>1B) Conventional Parameters – METALS</b><br>常规参数 - 金属 | N/A         | <input type="checkbox"/> |

Note / Key 备注

- ☐ – Meet Foundational Limit/满足基本限值/Meet discharge license criteria/满足排放许可标准
- ☒ – Exceeding Foundational Limit/超过基本限值/Exceeding discharge License criteria/超过排放许可标准
- NR – Not Requested / Not required/没有要求/不需要
- N/A – Not Applicable/不适用



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| <b>ZDHC MRSL Substances</b>                                     | <b>I001</b> | <b>I002</b> |
|-----------------------------------------------------------------|-------------|-------------|
| 2A) APs and APEOs<br>/烷基酚及烷基酚聚氧乙烯醚                              | o           | o           |
| 2B) Chlorobenzenes and Chlorotoluenes<br>/氯化苯和氯甲苯               | o           | o           |
| 2C) Chlorophenols/氯酚                                            | o           | o           |
| 2D) Azo Dyes/偶氮染料                                               | o           | o           |
| 2E) Carcinogenic Dyes/致癌染料                                      | o           | o           |
| 2F) Disperse Dyes/分散染料                                          | o           | o           |
| 2G) Flame Retardants/阻燃剂                                        | o           | o           |
| 2H) Glycols/乙二醇                                                 | o           | o           |
| 2I) Halogenated Solvents/卤化溶剂                                   | o           | o           |
| 2J) Organotin Compounds/有机锡化合物                                  | o           | o           |
| 2K) Perfluorinated and Polyfluorinated<br>Chemicals/全氟化合物和多氟化合物 | o           | o           |
| 2L) Phthalates/邻苯二甲酸盐                                           | o           | o           |
| 2M) Poly Aromatic Hydrocarbons<br>/多环芳香烃                        | o           | o           |
| 2N) Volatile Organic Compounds/挥发性有机化合物                         | o           | o           |

Note / Key 备注:

- • – Detected 有检出
- o – Not Detected 未检出
- NR – Not Requested/未要求测试
- N/A – Not Applicable/不适用



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## **Objective**

The environment samples were tested for below parameters.

- 1A) Conventional Parameters /常规参数
- 1B) Conventional Parameters – METALS/常规参数-重金属
- 2A) APs and APEOs/烷基酚及烷基酚聚氧乙烯醚
- 2B) Chlorobenzenes and Chlorotoluenes/氯化苯和氯甲苯
- 2C) Chlorophenols/氯酚
- 2D) Azo Dyes/偶氮染料
- 2E) Carcinogenic Dyes/致癌染料
- 2F) Disperse Dyes/分散染料
- 2G) Flame Retardants/阻燃剂
- 2H) Glycols/乙二醇
- 2I) Halogenated Solvents/卤化溶剂
- 2J) Organotin Compounds/有机锡化合物
- 2K) Perfluorinated and Polyfluorinated Chemicals/全氟化合物和多氟化合物
- 2L) Phthalates/邻苯二甲酸盐
- 2M) Poly Aromatic Hydrocarbons/多环芳香烃
- 2N) Volatile Organic Compounds/挥发性有机化合物

## **Sampling Plan**

Basically, two environment samples were sampled per factory, including 1) Raw Wastewater 2) Discharged Wastewater (treated wastewater). Total number of sample collected will be depended on the actual factory facilities and manufacturing processes.

基本上，每个工厂采集的样品主要有两种，包括 1) 原始废水 2) 处理后废水。收集的样品总数将根据实际的工厂设施和生产工艺而定。

Method of sampling used is time-weighted composite grab samples (agreed with client.). Composite sampling shall be performed for no less than six hours, with no more than one hour between discrete samples. Each discrete sample shall be of equal volume. Wastewater and freshwater samples should, as much as possible, be collected simultaneously, during the time that PU is in normal operation. The sampling shall aim to analyse the snapshot of water quality characteristics of the operating PU. Under no circumstance shall samples be taken during times when the production process is not running or the wastewater is diluted due to heavy rainfall, etc.

采样方法是时间加权复合抓取采样方法(经客户同意)。混合采样时间应不低于 6 小时，且每次取样的间隔不超过 1 小时。每次取样应保持在同一体积。在工厂正常工作期间，尽可能多的同时采集废水和淡水样品。采样的目的是为了看到工厂在实际运行状态下水质的特点。而当处于生产流程没有运行或废水被大雨所稀释等情况下时不应采集样品。

Remark/备注：

- Sampling procedure is with reference to below standards 采样根据以下标准:
  - 1) South Australia EPA Guidelines (June 2007), Regulatory Monitoring and Testing Water and Wastewater Sampling.
  - 2) Australia EPA (Victoria) Guideline (June 2009), Sampling and Analysis of Waters, Wastewaters, Soils and Wastes.
  - 3) ISO 5667-3:2003, Water Quality - Sampling - Part 3: Guidance on the Preservation and Handling of Water Samples.
  - 4) ASTM D3976-92 (Reapproved 2010), Standard Practice for Preparation of Sediment Samples for Chemical Analysis.
- Field data records are attached in Appendix B/现场数据记录见附录 B.



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## Test Result/测试结果

### 1A) Conventional Parameters/常规参数

#### Temperature/温度

**Test Method** : Measurement by thermometer  
**测试方法** : 由温度计测量

| Tested Item(s) | Result | Unit           | Conclusion |
|----------------|--------|----------------|------------|
| I002           | 30.2   | deg. C/<br>摄氏度 | DATA/数据    |

Note/注释:

deg. C = degree Celsius (°C)/摄氏度

Discharge License Criteria/排放标准: N/A

#### Total Suspended Solids (TSS)/ 总悬浮固体

**Test Method** : Reference to GB/T 11901-1989  
**测试方法** : 参考 GB/T 11901-198

| Tested Item(s) | Result                                         | Unit          | Conclusion |
|----------------|------------------------------------------------|---------------|------------|
| I002           | 30<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤100

#### Chemical Oxygen Demand (COD)/ 化学需氧量

**Test Method** : Reference to GB/T 11914-2017  
**测试方法** : 参考 GB/T 11914-2017

| Tested Item(s) | Result                                         | Unit          | Conclusion |
|----------------|------------------------------------------------|---------------|------------|
| I002           | 26<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤200



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Total Nitrogen (Total-N)/总氮

**Test Method** : Reference to HJ 636-2012  
**测试方法** : 参考 HJ 636-2012

| Tested Item(s) | Result                                           | Unit          | Conclusion |
|----------------|--------------------------------------------------|---------------|------------|
| I002           | 2.41<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤30

pH Value/酸碱值

**Test Method** : Reference to GB/T 6920-1986  
**测试方法** : 参考 GB/T 6920-1986

| -                  | Unit   | Result                                           |
|--------------------|--------|--------------------------------------------------|
| Test Item(s)       | -      | I002                                             |
| Parameter          | -      | -                                                |
| Temp. of sample    | deg. C | 30.2                                             |
| pH value of sample | -      | 7.56<br>Comply with discharge license/<br>符合排放许可 |
| Conclusion         | -      | DATA/数据                                          |

Note 注释:

Temp. = Temperature/温度

deg. C = degree Celsius (°C)/摄氏度

Discharge License Criteria/排放标准: 6-9

Color [m<sup>-1</sup>] (436nm; 525nm; 620nm)/色度

**Test Method** : With reference to ISO 7887-B-2011  
**测试方法** : 参考 ISO 7887-B-2011

| Tested Item(s) | Result      | Unit            | Conclusion |
|----------------|-------------|-----------------|------------|
| I002           | 7.1;3.8;1.5 | m <sup>-1</sup> | DATA/数据    |

Note 注释:

Discharge License Criteria/排放标准: N/A



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Biochemical Oxygen Demand (BOD<sub>5</sub>)/五日生化需氧量

**Test Method** : Reference to HJ 505-2009  
**测试方法** : 参考 HJ 505-2009

| Tested Item(s) | Result                                          | Unit          | Conclusion |
|----------------|-------------------------------------------------|---------------|------------|
| I002           | 8.4<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤50

Ammonium Nitrogen/氨态氮

**Test Method** : Reference to HJ 535-2009  
**测试方法** : 参考 HJ 535-2009

| Tested Item(s) | Result                                            | Unit          | Conclusion |
|----------------|---------------------------------------------------|---------------|------------|
| I002           | 0.505<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤20

Total Phosphorus (Total-P)/总磷

**Test Method** : Reference to GB/T 11893-1989  
**测试方法** : 参考 GB/T 11893-1989

| Tested Item(s) | Result                                           | Unit          | Conclusion |
|----------------|--------------------------------------------------|---------------|------------|
| I002           | 0.22<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note/注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: ≤1.5





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Adsorbable Organic Halogen (AOX)/ 可吸附有机卤化物

**Test Method** : Reference to HJ/T 83-2001  
**测试方法** 参考 HJ/T 83-2001

| Tested Item(s) | Result | Unit          | Conclusion |
|----------------|--------|---------------|------------|
| I002           | 4.84   | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升  
Discharge License Criteria/排放标准: N/A

Oil and Grease/油和油脂

**Test Method** : Reference to HJ 637-2018  
**测试方法** 参考 HJ 637-2018

| Tested Item(s) | Result | Unit          | Conclusion |
|----------------|--------|---------------|------------|
| I002           | 3.77   | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升  
Discharge License Criteria/排放标准: N/A

Phenol/苯酚

**Test Method** : Reference to HJ 503-2009  
**测试方法** 参考 HJ 503-2009

| Tested Item(s) | Result  | Unit          | Conclusion |
|----------------|---------|---------------|------------|
| I002           | <0.0003 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升  
Discharge License Criteria/排放标准: N/A



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Coliform/大肠菌群

**Test Method** : Reference to GB/T 5750.12-2016  
**测试方法** : 参考 GB/T 5750.12-2016

| Tested Item(s) | Result | Unit                           | Conclusion |
|----------------|--------|--------------------------------|------------|
| I002           | 11     | Bacteria /100 mL<br>细菌数/100 毫升 | DATA/数据    |

Note 注释:

bacteria/100 mL = bacteria per 100 milliliters/每 100 毫升细菌数  
Discharge License Criteria/排放标准: N/A

Persistent Foam/泡沫持久性

**Test Method** : Visual  
**测试方法** : 目测

| Tested Item(s) | Result        | Unit | Conclusion |
|----------------|---------------|------|------------|
| I002           | No foam / 无泡沫 | -    | DATA/数据    |

ANIONS – Cyanide 阴离子-氰化物

**Test Method** : Reference to HJ 484-2009  
**测试方法** : 参考 HJ 484-2009

| Tested Item(s) | Result | Unit          | Conclusion |
|----------------|--------|---------------|------------|
| I002           | <0.02  | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升  
Discharge License Criteria/排放标准: N/A

ANIONS – Sulfide/阴离子-硫化物

**Test Method** : Reference to GB/T 16489-1996  
**测试方法** : 参考 GB/T 16489-1996

| Tested Item(s) | Result                                            | Unit          | Conclusion |
|----------------|---------------------------------------------------|---------------|------------|
| I002           | 0.009<br>Comply with discharge license/<br>符合排放许可 | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升  
Discharge License Criteria/排放标准: ≤0.5



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ANIONS – Sulfite/阴离子-亚硫酸盐

**Test Method** : Reference to ISO 10304-3-1997  
**测试方法** 参考 ISO 10304-3-1997

| Tested Item(s) | Result | Unit          | Conclusion |
|----------------|--------|---------------|------------|
| I002           | <0.2   | mg/L/<br>毫克/升 | DATA/数据    |

Note 注释:

mg/L = milligram per liter/毫克每升

Discharge License Criteria/排放标准: N/A

1B) Conventional Parameters – METALS/ 常规参数-金属

| Heavy Metals/重金属                                                 | I001 (mg/L) | I002 (mg/L)                                       |
|------------------------------------------------------------------|-------------|---------------------------------------------------|
| Antimony( Sb ) /锑<br>Discharge License Criteria/排放标准: ≤0.08      | 0.047       | 0.007<br>Comply with discharge license/<br>符合排放许可 |
| Chromium( Cr ), total/总铬<br>Discharge License Criteria/排放标准: N/A | 0.003       | ND                                                |
| Cobalt( Co ) /钴<br>Discharge License Criteria/排放标准: N/A          | ND          | 0.004                                             |
| Copper( Cu ) /铜<br>Discharge License Criteria/排放标准: N/A          | 0.071       | 0.011                                             |
| Nickel (Ni) /镍<br>Discharge License Criteria/排放标准: N/A           | 0.007       | 0.005                                             |
| Silver (Ag) /银<br>Discharge License Criteria/排放标准: N/A           | ND          | ND                                                |
| Zinc( Zn ) /锌<br>Discharge License Criteria/排放标准: N/A            | 0.341       | 0.024                                             |
| Arsenic (As) /砷<br>Discharge License Criteria/排放标准: N/A          | 0.003       | 0.002                                             |
| Cadmium( Cd ) /镉<br>Discharge License Criteria/排放标准: N/A         | 0.0012      | 0.0002                                            |
| Chromium VI( CrVI ) /六价铬<br>Discharge License Criteria/排放标准: N/A | ND          | ND                                                |
| Lead( Pb ) /铅<br>Discharge License Criteria/排放标准: N/A            | 0.015       | 0.012                                             |
| Mercury (Hg) /汞<br>Discharge License Criteria/排放标准: N/A          | 0.00016     | ND                                                |

Others Priority Chemical Groups/其他优先化学物质

|                                                                 | <b>I001 (ug/L)</b> | <b>I002 (ug/L)</b> |
|-----------------------------------------------------------------|--------------------|--------------------|
| 2A) APs and APEOs/<br>烷基酚及烷基酚聚氧乙烯醚                              | ND                 | ND                 |
| 2B) Chlorobenzenes and Chlorotoluenes/<br>氯化苯和氯甲苯               | ND                 | ND                 |
| 2C) Chlorophenols/氯酚                                            | ND                 | ND                 |
| 2D) Azo Dyes/偶氮染料                                               | ND                 | ND                 |
| 2E) Carcinogenic Dyes/致癌染料                                      | ND                 | ND                 |
| 2F) Disperse Dyes/分散染料                                          | ND                 | ND                 |
| 2G) Flame Retardants/阻燃剂                                        | ND                 | ND                 |
| 2H) Glycols/乙二醇                                                 | ND                 | ND                 |
| 2I) Halogenated Solvents/卤化溶剂                                   | ND                 | ND                 |
| 2J) Organotin Compounds/有机锡化合物                                  | ND                 | ND                 |
| 2K) Perfluorinated and Polyfluorinated<br>Chemicals/全氟化合物和多氟化合物 | ND                 | ND                 |
| 2L) Phthalates/邻苯二甲酸盐                                           | ND                 | ND                 |
| 2M) Poly Aromatic Hydrocarbons/多环芳香<br>烃                        | ND                 | ND                 |
| 2N) Volatile Organic Compounds<br>/挥发性有机化合物                     | ND                 | ND                 |

**Remark :**

- Test method, reporting limit and list of chemical are summarized in tables of Appendix A.  
测试方法，限量值和化学列表在附录 A 中
- ND = Not detected (Please refer to reporting limit shown in Appendix A.).  
ND=未检出(请参考附录 A 中的报告限量值)
- All results are in ppb as unit.  
所有结果以 ppb 为单位
- ppm = part(s) per million; ppb = part(s) per billion.  
ppm = 百万分之一; ppb = 十亿分之一

**APPENDIX A - Photo of the Sample/ Sampling Location**

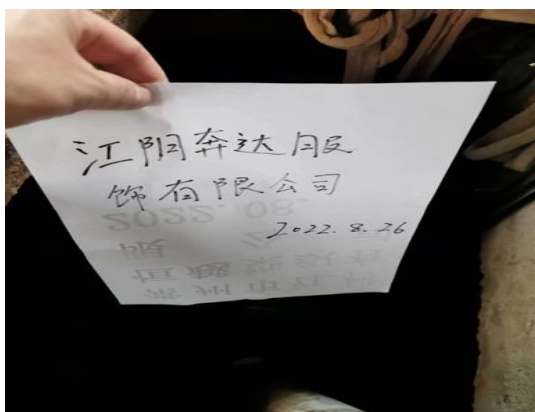
**样品照片/取样地照片**

I001) Sampling Point

取样点

N 31°43'30"

E 120°24'23"

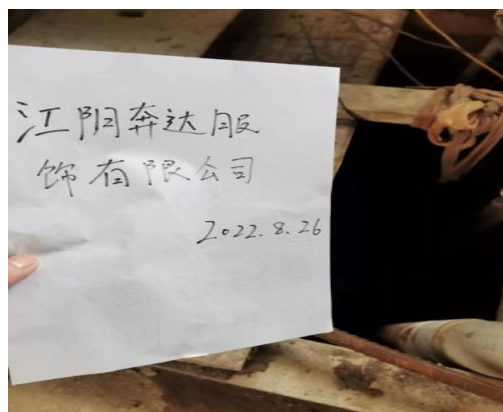


I001) Sampling Point Surrounding Environment

取样点周围环境

N 31°43'30"

E 120°24'23"



I001) All sampled bottles with label

全部带标签的取样瓶

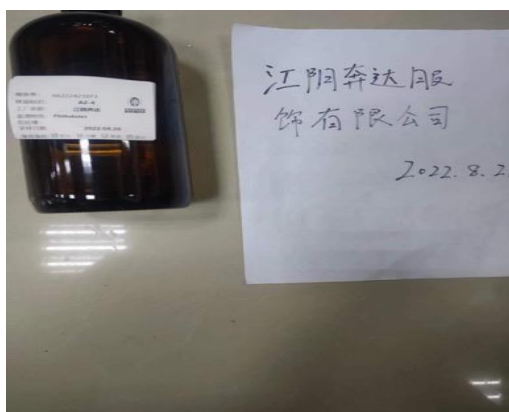


I001) pH value

pH 值



I001) Sample for Phthalate Testing  
邻苯测试样品



I001) Packaging  
包装



I002) Sampling Point  
取样点  
N 31°43'35"  
E 120°24'27"



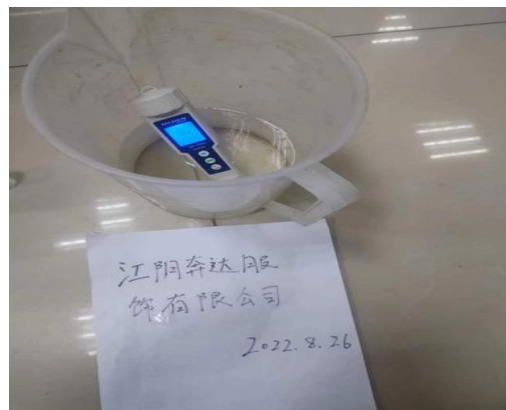
I002) Sampling Point Surrounding Environment  
取样点周围环境  
N 31°43'35"  
E 120°24'27"



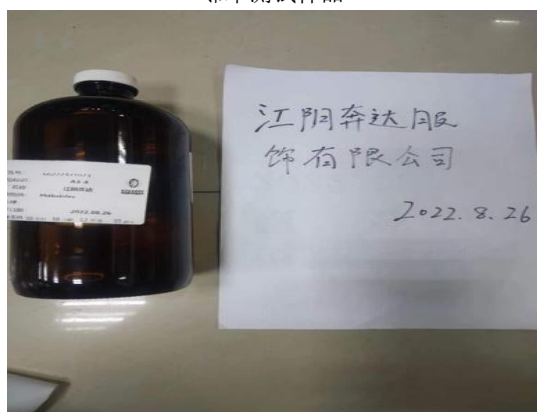
I002) All sampled bottles with label  
全部带标签的取样瓶



I002) pH value  
pH 值



I002) Sample for Phthalate Testing  
邻苯测试样品



I002) Packaging  
包装





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## APPENDIX B/附录 B

| Group/组别                                                                                             | Substance (Testing parameter)物质(测试参数)    | CAS No./化学物质登记号                                                           | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                                              |
|------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|-----------------------------|--------------------------|----------------------------------------------------------------------------------------------|
|                                                                                                      |                                          |                                                                           | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                              |
| 2A. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers/ 烷基酚及烷基酚聚氧乙烯醚包括同分异构体 | Nonylphenol NP, mixed isomers/壬基苯酚及同分异构体 | Various (incl. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3)              | 5                           | 0.4                      | NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC/MS or LC/MS(-MS)) |
|                                                                                                      | Octylphenol OP, mixed isomers/辛基苯酚及同分异构体 | Various (incl. 140-66-9, 1806-26-4, 27193-28-8)                           | 5                           | 0.4                      |                                                                                              |
|                                                                                                      | Octylphenol Ethoxylates (OPEO)/ 辛基酚乙烯醚   | Various (incl. 9002-93-1, 9036-19-5, 68987-90-6)                          | 5                           | 0.4                      | OPEO/NPEO: ISO18857-2 or ASTM D7065(LC/MS; GC/MS or LC/MSMS for n=1,2)<br>APEO 1-18          |
|                                                                                                      | Nonylphenol Ethoxylates (NPEO)/ 壬基酚乙烯醚   | Various (inc. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0) | 5                           | 0.4                      |                                                                                              |
| 2B. Chlorobenzenes and Chlorotoluenes/ 氯化苯和氯甲苯                                                       | Monochlorobenzene/一氯苯                    | 108-90-7                                                                  | 0.2                         | 0.2                      | USEPA 8260B,8270D. Dichloromethane extraction followed by GC/MS                              |
|                                                                                                      | 1,2-Dichlorobenzene/1,2-二氯苯              | 95-50-1                                                                   | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,3-Dichlorobenzene / 1,3-二氯苯            | 541-73-1                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,4-Dichlorobenzene / 1,4-二氯苯            | 106-46-7                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,2,3-Trichlorobenzene / 1,2,3-三氯苯       | 87-61-6                                                                   | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,2,4-Trichlorobenzene / 1,2,4-三氯苯       | 120-82-1                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,3,5-Trichlorobenzene / 1,3,5-三氯苯       | 108-70-3                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,2,3,4-Tetrachlorobenzene/ 1,2,3,4-四氯苯  | 634-66-2                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,2,3,5-Tetrachlorobenzene/ 1,2,3,5-四氯苯  | 634-90-2                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 1,2,4,5-Tetrachlorobenzene/ 1,2,4,5-四氯苯  | 95-94-3                                                                   | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | Pentachlorobenzene 五氯苯                   | 608-93-5                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | Hexachlorobenzene/ 六氯苯                   | 118-74-1                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 2-Chlorotoluene /2-氯甲苯                   | 95-49-8                                                                   | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 3-Chlorotoluene /3-氯甲苯                   | 108-41-8                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 4-Chlorotoluene /4-氯甲苯                   | 106-43-4                                                                  | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 2,3-Dichlorotoluene / 2,3-二氯甲苯           | 32768-54-0                                                                | 0.2                         | 0.2                      |                                                                                              |
|                                                                                                      | 2,4-Dichlorotoluene /                    | 95-73-8                                                                   | 0.2                         | 0.2                      |                                                                                              |





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| Group/组别                 | Substance (Testing parameter)物质(测试参数)        | CAS No./化学物质登记号 | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                                                          |
|--------------------------|----------------------------------------------|-----------------|-----------------------------|--------------------------|----------------------------------------------------------------------------------------------------------|
|                          |                                              |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                                          |
|                          | 2,4-二氯甲苯                                     |                 |                             |                          |                                                                                                          |
|                          | 2,5-Dichlorotoluene/<br>2,5-二氯甲苯             | 19398-61-9      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,6-Dichlorotoluene /<br>2,6-二氯甲苯            | 118-69-4        | 0.2                         | 0.2                      |                                                                                                          |
|                          | 3,4-Dichlorotoluene /<br>3,4-二氯甲苯            | 95-75-0         | 0.2                         | 0.2                      |                                                                                                          |
|                          | 3,5-Dichlorotoluene/<br>3,5-二氯甲苯             | 25186-47-4      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,3,4-Trichlorotoluene /<br>2,3,4-三氯甲苯       | 7359-72-0       | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,3,6-Trichlorotoluene /<br>2,3,6-三氯甲苯       | 2077-46-5       | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,4,5-Trichlorotoluene /<br>2,4,5-三氯甲苯       | 6639-30-1       | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,4,6-Trichlorotoluene /<br>2,4,6-三氯甲苯       | 23749-65-7      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 3,4,5-Trichlorotoluene /<br>3,4,5-三氯甲苯       | 21472-86-6      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,3,4,5-Tetrachlorotoluene<br>2,3,4,5-四氯甲苯   | 76057-12-0      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,3,5,6-Tetrachlorotoluene /<br>2,3,5,6-四氯甲苯 | 29733-70-8      | 0.2                         | 0.2                      |                                                                                                          |
|                          | 2,3,4,6-Tetrachlorotoluene /<br>2,3,4,6-四氯甲苯 | 875-40-1        | 0.2                         | 0.2                      |                                                                                                          |
|                          | Pentachlorotoluene/五氯甲苯                      | 877-11-2        | 0.2                         | 0.2                      |                                                                                                          |
| 2C. Chlorophenols/<br>氯酚 | 2-Chlorophenol/2-氯苯酚                         | 95-57-8         | 0.5                         | 0.05                     | USEPA 8270 D<br>Solvent extraction,<br>derivatisation with<br>KOH, acetic anhydride<br>followed by GC/MS |
|                          | 3-Chlorophenol/3-氯苯酚                         | 108-43-0        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 4-Chlorophenol/4-氯苯酚                         | 106-48-9        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,3-Dichlorophenol/<br>2,3-二氯苯酚              | 576-24-9        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,4-Dichlorophenol/<br>2,4-二氯苯酚              | 120-83-2        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,5-Dichlorophenol/<br>2,5-二氯苯酚              | 583-78-8        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,6-Dichlorophenol/<br>2,6-二氯苯酚              | 87-65-0         | 0.5                         | 0.05                     |                                                                                                          |
|                          | 3,4-Dichlorophenol/<br>3,4-二氯苯酚              | 95-77-2         | 0.5                         | 0.05                     |                                                                                                          |
|                          | 3,5-Dichlorophenol/<br>3,5-二氯苯酚              | 591-35-5        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,3,4-Trichlorophenol/<br>2,3,4-三氯苯酚         | 15950-66-0      | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,3,5-Trichlorophenol/<br>2,3,5-三氯苯酚         | 933-78-8        | 0.5                         | 0.05                     |                                                                                                          |
|                          | 2,3,6-Trichlorophenol/<br>2,3,6-三氯苯酚         | 933-75-5        | 0.5                         | 0.05                     |                                                                                                          |



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|-----------------------------------------------|--------------------------------------------------------------|-----------------|-----------------------------|--------------------------|---------------------------------------------------------------------------------------|
|                                               |                                                              |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                       |
|                                               | 2,4,5-Trichlorophenol/<br>2,4,5-三氯苯酚                         | 95-95-4         | 0.5                         | 0.05                     |                                                                                       |
|                                               | 2,4,6-Trichlorophenol/<br>2,4,6-三氯苯酚                         | 88-06-2         | 0.5                         | 0.05                     |                                                                                       |
|                                               | 3,4,5-Trichlorophenol/<br>3,4,5-三氯苯酚                         | 609-19-8        | 0.5                         | 0.05                     |                                                                                       |
|                                               | 2,3,4,5-Tetrachlorophenol/<br>2,3,4,5-四氯苯酚                   | 4901-51-3       | 0.5                         | 0.05                     |                                                                                       |
|                                               | 2,3,4,6-Tetrachlorophenol/<br>2,3,4,6-四氯苯酚                   | 58-90-2         | 0.5                         | 0.05                     |                                                                                       |
|                                               | 2,3,5,6-Tetrachlorophenol/<br>2,3,5,6-四氯苯酚                   | 935-95-5        | 0.5                         | 0.05                     |                                                                                       |
|                                               | Pentachlorophenol (PCP)/<br>五氯苯酚                             | 87-86-5         | 0.5                         | 0.05                     |                                                                                       |
| 2D. Dyes - Azo<br>(Forming Restricted Amines) | 4,4'-Methylene-bis-(2-chloro-aniline)/<br>4,4'-亚甲基-二-(2-氯苯胺) | 101-14-4        | 0.1                         | 0.2                      | EN 14362.<br>Reduction step with Sodiumdithionite, solvent extraction, GC/MS or LC/MS |
|                                               | 4,4'-methylenedianiline/<br>4,4'-二氨基二苯甲烷                     | 101-77-9        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4,4'-Oxydianiline/<br>4,4'-二氨基二苯醚                            | 101-80-4        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4-Chloroaniline<br>/4-氯苯胺                                    | 106-47-8        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 3,3'-Dimethoxybenzidine/<br>3,3'-二甲氧基联苯胺                     | 119-90-4        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 3,3'-Dimethylbenzidine/<br>3,3'-二甲基联苯胺                       | 119-93-7        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 6-methoxy-m-toluidine (p-Cresidine)<br>/6-甲氧基间甲苯胺            | 120-71-8        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 2,4,5-Trimethylaniline/<br>2,4,5-三甲基苯胺                       | 137-17-7        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4,4'-Thiodianiline/<br>4,4'-二氨基二苯硫醚                          | 139-65-1        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4-Aminoazobenzene/<br>4-氨基偶氮苯                                | 60-09-3         | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4-Methyl-m-phenylenediamine/<br>4-甲基间苯二胺                     | 615-05-4        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 4,4'-Methylene-di-o-toluidine/<br>4,4'-二甲基-邻甲苯胺              | 838-88-0        | 0.1                         | 0.2                      |                                                                                       |
|                                               | 2,6-Xylidine/<br>2,6-二甲基苯胺                                   | 87-62-7         | 0.1                         | 0.2                      |                                                                                       |
|                                               | o-Anisidine<br>/邻氨基苯甲醚                                       | 90-04-0         | 0.1                         | 0.2                      |                                                                                       |
|                                               | 2-Naphthylamine<br>/2-萘胺                                     | 91-59-8         | 0.1                         | 0.2                      |                                                                                       |



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|----------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|-----------------------------|--------------------------|---------------------------------|
|                                                    |                                                                                       |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                 |
|                                                    | 3,3'-Dichlorobenzidine/<br>3,3'-二氯联苯胺                                                 | 91-94-1         | 0.1                         | 0.2                      |                                 |
|                                                    | 4-Aminodiphenyl/<br>4-氨基联苯                                                            | 92-67-1         | 0.1                         | 0.2                      |                                 |
|                                                    | Benzidine<br>/联苯胺                                                                     | 92-87-5         | 0.1                         | 0.2                      |                                 |
|                                                    | o-Toluidine<br>/邻甲苯胺                                                                  | 95-53-4         | 0.1                         | 0.2                      |                                 |
|                                                    | 2,4-Xylidine/<br>2,4-二甲基苯胺                                                            | 95-68-1         | 0.1                         | 0.2                      |                                 |
|                                                    | 4-Chloro-o-toluidine/<br>4-氯邻甲苯胺                                                      | 95-69-2         | 0.1                         | 0.2                      |                                 |
|                                                    | 4-Methyl-m-phenylenediamine/<br>4-甲基间苯二胺                                              | 95-80-7         | 0.1                         | 0.2                      |                                 |
|                                                    | o-Aminoazotoluene/<br>邻氨基偶氮甲苯                                                         | 97-56-3         | 0.1                         | 0.2                      |                                 |
|                                                    | 5-nitro-o-toluidine/<br>5-硝基-邻甲苯胺                                                     | 99-55-8         | 0.1                         | 0.2                      |                                 |
| 2E. Dyes-<br>Carcinogenic or<br>Equivalent Concern | C.I. Direct Black 38/<br>C.I.直接黑 38                                                   | 1937-37-7       | 500                         | 10                       | Liquid Extraction<br>LC/MS      |
|                                                    | C.I. Direct Blue 6/<br>C.I.直接蓝 6                                                      | 2602-46-2       | 500                         | 10                       |                                 |
|                                                    | C.I. Acid Red 26/<br>C.I.酸性红 26                                                       | 3761-53-3       | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Red 9/<br>C.I.碱性红 9                                                        | 569-61-9        | 500                         | 10                       |                                 |
|                                                    | C.I. Direct Red 28/<br>C.I.直接红 28                                                     | 573-58-0        | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Violet 14/<br>C.I.碱性紫 14                                                   | 632-99-5        | 500                         | 10                       |                                 |
|                                                    | C.I. Disperse Blue 1/<br>C.I.分散蓝 1                                                    | 2475-45-8       | 500                         | 10                       |                                 |
|                                                    | C.I. Disperse Blue 3/<br>C.I.分散蓝 3                                                    | 2475-46-9       | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Blue 26 (with<br>Michler's Ketone > 0.1%) /<br>C.I. 碱性蓝 26 (米氏酮 ><br>0.1%) | 2580-56-5       | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Green 4<br>(malachite green chloride)/<br>C.I. 碱性绿 4(孔雀石绿氯化物)              | 569-64-2        | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Green 4<br>(malachite green oxalate)/<br>C.I. 碱性绿 4(孔雀石绿草<br>酸盐)           | 2437-29-8       | 500                         | 10                       |                                 |
|                                                    | C.I. Basic Green<br>4(malachite green)/<br>C.I. 碱性绿 4(孔雀石绿)                           | 10309-95-2      | 500                         | 10                       |                                 |



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| Group/组别                        | Substance (Testing parameter)物质(测试参数)                            | CAS No./化学物质登记号 | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                                    |
|---------------------------------|------------------------------------------------------------------|-----------------|-----------------------------|--------------------------|------------------------------------------------------------------------------------|
|                                 |                                                                  |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                    |
|                                 | Disperse Orange 11/<br>分散橙 11                                    | 82-28-0         | 500                         | 10                       |                                                                                    |
| 2F. Dyes-disperse (sensitizing) | Disperse Yellow 1<br>/分散黄 1                                      | 119-15-3        | 50                          | 2                        | Liquid Extraction<br>LC/MS                                                         |
|                                 | Disperse Blue 102<br>/分散蓝 102                                    | 12222-97-8      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 106<br>/分散蓝 106                                    | 12223-01-7      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Yellow 39<br>/分散黄 39                                    | 12236-29-2      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Orange 37/59/76<br>/分散橙 37/59/76                        | 13301-61-6      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Brown 1<br>/分散棕 1                                       | 23355-64-8      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Orange 1<br>/分散橙 1                                      | 2581-69-3       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Yellow 3<br>/分散黄 3                                      | 2832-40-8       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Red 11<br>/分散红 11                                       | 2872-48-2       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Red 1<br>/分散红 1                                         | 2872-52-8       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Red 17<br>/分散红 17                                       | 3179-89-3       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 7<br>/分散蓝 7                                        | 3179-90-6       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 26<br>/分散蓝 26                                      | 3860-63-7       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Yellow 49<br>/分散黄 49                                    | 54824-37-2      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 35<br>/分散蓝 35                                      | 12222-75-2      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 124 /<br>分散蓝 124                                   | 61951-51-7      | 50                          | 2                        |                                                                                    |
|                                 | Disperse Yellow 9 /<br>分散黄 9                                     | 6373-73-5       | 50                          | 2                        |                                                                                    |
|                                 | Disperse Orange 3 /<br>分散橙 3                                     | 730-40-5        | 50                          | 2                        |                                                                                    |
|                                 | Disperse Blue 35<br>分散蓝 35                                       | 56524-77-7      | 50                          | 2                        |                                                                                    |
| 2G. Flame Retardants            | Tris(2-chloroethyl) phosphate (TCEP)<br>/三(2-氯乙基)磷酸酯             | 115-96-8        | 5                           | 1                        | ISO 22032, USEPA527 and USEPA8321B. Dichloromethane extraction GC/MS or LC/MS(-MS) |
|                                 | Decabromodiphenyl ether (DecaBDE)<br>/十溴联苯醚                      | 1163-19-5       | 5                           | 1                        |                                                                                    |
|                                 | Tris(2,3-dibromopropyl) phosphate (TRIS/TDBPP)<br>/三(2, 3-二溴丙基)磷 | 126-72-7        | 5                           | 1                        |                                                                                    |

| Group/组别    | Substance (Testing parameter)物质(测试参数)                               | CAS No./化学物质登记号 | Report Limit/报告限 值          |                          | Name of the testing method/测试方法           |
|-------------|---------------------------------------------------------------------|-----------------|-----------------------------|--------------------------|-------------------------------------------|
|             |                                                                     |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                           |
|             | 酸酯                                                                  |                 |                             |                          |                                           |
|             | Pentabromodiphenyl ether (PentaBDE)<br>/ 五溴联苯醚                      | 32534-81-9      | 5                           | 1                        |                                           |
|             | Octabromodiphenyl ether (OctaBDE)<br>/ 八溴联苯醚                        | 32536-52-0      | 5                           | 1                        |                                           |
|             | Bis(2,3-dibromopropyl) phosphate (BIS/BDBPP)<br>/ 二(2, 3-二溴丙基)磷酸酯   | 5412-25-9       | 5                           | 1                        |                                           |
|             | Tris(aziridinyl)-phosphineoxide (TEPA)<br>/ 三-(氮环丙基)-膦化氧            | 545-55-1        | 5                           | 1                        |                                           |
|             | Polybromobiphenyls (PBBs)<br>/ 多溴联苯                                 | 59536-65-1      | 5                           | 1                        |                                           |
|             | Tetrabromobisphenol A (TBBPA)<br>/ 四溴双酚 A                           | 79-94-7         | 5                           | 1                        |                                           |
|             | Hexabromocyclododecane (HBCDD)<br>/ 六溴环十二烷                          | 3194-55-6       | 5                           | 1                        |                                           |
|             | 2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)<br>/ 2,2-二(溴甲基)-1,3-丙二醇 | 3296-90-0       | 5                           | 1                        |                                           |
|             | Tris(1,3-dichloroisopropyl) phosphate (TDCP)<br>/ 三(1,3-二氯异丙基)磷酸酯   | 13674-87-8      | 5                           | 1                        |                                           |
|             | Short chain chlorinated paraffins (SCCPs) (C10-C13)<br>/ 短链氯化石蜡     | 85535-84-8      | 5                           | 1                        |                                           |
| 2H. Glycols | Bis(2-methoxyethyl)-ether / 二甘醇二甲醚                                  | 111-96-6        | 50                          | 10                       | US EPA 8270<br>Liquid Extraction<br>LC/MS |
|             | 2-ethoxyethanol / 乙二醇单乙醚                                            | 110-80-5        | 50                          | 10                       |                                           |
|             | 2-ethoxyethyl acetate / 乙二醇乙醚醋酸酯                                    | 111-15-9        | 50                          | 10                       |                                           |
|             | Ethylene glycol dimethyl ether / 乙二醇二甲醚                             | 110-71-4        | 50                          | 10                       |                                           |
|             | 2-methoxyethanol / 乙二醇甲醚                                            | 109-86-4        | 50                          | 10                       |                                           |
|             | 2-methoxyethylacetate / 乙二醇甲醚乙酸酯                                    | 110-49-6        | 50                          | 10                       |                                           |
|             | 2-methoxypropylacetate /                                            | 70657-70-4      | 50                          | 10                       |                                           |



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| Group/组别                 | Substance (Testing parameter)物质(测试参数)                      | CAS No./化学物质登记号 | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                               |
|--------------------------|------------------------------------------------------------|-----------------|-----------------------------|--------------------------|-------------------------------------------------------------------------------|
|                          |                                                            |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                               |
|                          | 2-甲基丙醇乙酸酯<br>Triethylene glycol dimethyl ether/<br>三乙二醇二甲醚 | 112-49-2        | 50                          | 10                       |                                                                               |
| 2I. Halogenated Solvents | 1,2-Dichloroethane/<br>1,2-二氯乙烷                            | 107-06-2        | 1                           | 2                        | USEPA 8260B<br>Headspace GC/MS or<br>Purgeand-Trap-GC/MS                      |
|                          | Methylene Chloride/<br>二氯甲烷                                | 75-09-2         | 1                           | 2                        |                                                                               |
|                          | Trichloroethylene/<br>三氯乙烯                                 | 79-01-6         | 1                           | 2                        |                                                                               |
|                          | Tetrachloroethylene<br>/四氯乙烯                               | 127-18-4        | 1                           | 2                        |                                                                               |
| 2J. Organotin Compounds  | Mono-, di- and tri-methyltin derivatives/<br>一,二,三-甲基锡衍生物  | Multiple        | 0.01                        | 0.2                      | ISO 17353<br>Derivatisation with<br>NaB(C <sub>2</sub> H <sub>5</sub> ) GC/MS |
|                          | Mono-, di- and tri-butyltin derivatives/<br>一,二,三-丁基锡衍生物   | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Mono-, di- and tri-phenyltin derivatives/<br>一,二,三-苯基锡衍生物  | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Mono-, di- and tri-octyltin derivatives/<br>一,二,三-辛基锡衍生物   | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Monomethyltin/<br>一甲基锡                                     | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Dimethyltin/<br>二甲基锡                                       | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Trimethyltin/<br>三甲基锡                                      | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Monobutyltin(MBT)/<br>单丁基锡                                 | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Dibutyltin (DBT)/<br>二丁基锡                                  | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Tributyltin(TBT)/<br>三丁基锡                                  | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Monophenyltin/<br>单苯基锡                                     | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Diphenyltin (DPhT)/<br>二苯基锡                                | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Triphenyltin(TPhT)/<br>三苯基锡                                | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Monooctyltin(MOT)/<br>一辛基锡                                 | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Diocetyl tin(DOT)/<br>二辛基锡                                 | Multiple        | 0.01                        | 0.2                      |                                                                               |
|                          | Triocetyl tin(TOT)/<br>三辛基锡                                | Multiple        | 0.01                        | 0.2                      |                                                                               |
| 2K. Perfluorinated       | Perfluorooctanesulfonic                                    | 1763-23-1       | 0.01                        | 0.10                     | DIN 38407-42                                                                  |



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| Group/组别                                                                          | Substance (Testing parameter)物质(测试参数)             | CAS No./化学物质登记号        | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                                                                                                    |
|-----------------------------------------------------------------------------------|---------------------------------------------------|------------------------|-----------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   |                                                   |                        | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                                                                                    |
| and Polyfluorinated Chemicals (PFCs)                                              | acid (PFOS)/ 全氟辛烷磺酸                               |                        |                             |                          | (modified) Ionic PFC: Concentration or direct injection, LC/MS(-MS); Non-ionic PFC (FTOH): derivatisation with acetic anhydride, followed by GC/MS |
|                                                                                   | Perfluoro-n-octanoic acid (PFOA)/ 全氟辛酸            | 335-67-1               | 0.01                        | 0.10                     |                                                                                                                                                    |
|                                                                                   | Perfluorobutanesulfonic acid (PFBS)/ 全氟丁基磺酸       | 29420-49-3, 29420-43-3 | 0.01                        | 0.10                     |                                                                                                                                                    |
|                                                                                   | Perfluoro-n-hexanoic acid (PFHxA)/ 全氟己酸           | 307-24-4               | 0.01                        | 0.10                     |                                                                                                                                                    |
|                                                                                   | 8:2 FTOH/8:2-全氟辛基乙醇                               | 678-39-7               | 1                           | 1                        |                                                                                                                                                    |
|                                                                                   | 6:2 FTOH/6:2-全氟乙醇                                 | 647-42-7               | 1                           | 1                        |                                                                                                                                                    |
| 2L. Phthalates (including all other esters of phthalic acid)/ 苯二甲酸盐 (包括其他邻苯二甲酸酯类) | Di-2-ethylhexyl phthalate (DEHP)/ 邻苯二甲酸二(2-乙基己基酯) | 117-81-7               | 10                          | 2                        | US EPA 8270D, ISO 18856 Dichloromethane extraction GC/MS                                                                                           |
|                                                                                   | Dimethoxyethyl phthalate (DMEP)/ 邻苯二甲酸二甲氧基乙酯      | 117-82-8               | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-n-octyl phthalate (DNOP)/ 邻苯二甲酸二辛酯             | 117-84-0               | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-iso-decyl phthalate (DIDP)/ 邻苯二甲酸二异癸酯          | 26761-40-0             | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-iso-nonyl phthalate (DINP)/ 邻苯二甲酸二异壬酯          | 28553-12-0             | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-n-hexyl phthalate (DnHP)/ 邻苯二甲酸二己酯             | 84-75-3                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Dibutyl phthalate (DBP)/ 邻苯二甲酸二丁酯                 | 84-74-2                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Butyl benzyl phthalate (BBP)/ 邻苯二甲酸丁苄酯            | 85-68-7                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Dinonyl phthalate (DNP)/ 邻苯二甲酸二壬酯                 | 84-76-4                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Diethyl phthalate (DEP)/ 邻苯二甲酸二乙酯                 | 84-66-2                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-n-propyl phthalate (DPRP)/ 邻苯二甲酸二丙酯            | 131-16-8               | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-iso-butyl phthalate (DIBP)/ 邻苯二甲酸二异丁酯          | 84-69-5                | 10                          | 2                        |                                                                                                                                                    |
|                                                                                   | Di-cyclohexyl phthalate (DCHP)/                   | 84-61-7                | 10                          | 2                        |                                                                                                                                                    |



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|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|--------------------------|---------------------------------------------------|
|                                                 |                                                                                                       |                 | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                   |
|                                                 | 邻苯二甲酸二环己酯                                                                                             |                 |                             |                          |                                                   |
|                                                 | Di-iso-octyl phthalate (DIOP)/ 邻苯二甲酸二异辛酯                                                              | 27554-26-3      | 10                          | 2                        |                                                   |
|                                                 | 1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)/ 邻苯二甲酸-二(C7-C11 支链与直链) | 68515-42-4      | 10                          | 2                        |                                                   |
|                                                 | 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)/ 邻苯二甲酸二支链烷基酯              | 71888-89-6      | 10                          | 2                        |                                                   |
| 2M. Poly Aromatic Hydrocarbons (PaHs) /多环芳香烃    | Benzo[a]pyrene (BaP) / 苯并[a]芘                                                                         | 50-32-8         | 1                           | 0.2                      | DIN 38407-39<br>Solvent extraction<br>GC/MS       |
|                                                 | Anthracene /蒽                                                                                         | 120-12-7        | 1                           | 0.2                      |                                                   |
|                                                 | Pyrene /芘                                                                                             | 129-00-0        | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[ghi]perylene / 苯并[ghi]芘                                                                         | 191-24-2        | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[e]pyrene / 苯并[e]芘                                                                               | 192-97-2        | 1                           | 0.2                      |                                                   |
|                                                 | Indeno[1,2,3-cd]pyrene / 茚并[1,2,3-cd]芘                                                                | 193-39-5        | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[j]fluoranthene / 苯并[j]荧蒽                                                                        | 205-82-3        | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[b]fluoranthene / 苯并[b]荧蒽                                                                        | 205-99-2        | 1                           | 0.2                      |                                                   |
|                                                 | Fluoranthene /荧蒽                                                                                      | 206-44-0        | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[k]fluoranthene / 并[k]荧蒽                                                                         | 207-08-9        | 1                           | 0.2                      |                                                   |
|                                                 | Acenaphthylene /蒾                                                                                     | 208-96-8        | 1                           | 0.2                      |                                                   |
|                                                 | Chrysene /屈                                                                                           | 218-01-9        | 1                           | 0.2                      |                                                   |
|                                                 | Dibenz[a,h]anthracene / 二苯并[a,h]蒽                                                                     | 53-70-3         | 1                           | 0.2                      |                                                   |
|                                                 | Benzo[a]anthracene/ 苯并[a]蒽                                                                            | 56-55-3         | 1                           | 0.2                      |                                                   |
|                                                 | Acenaphthene /二氢蒾                                                                                     | 83-32-9         | 1                           | 0.2                      |                                                   |
|                                                 | Phenanthrene /菲                                                                                       | 85-01-8         | 1                           | 0.2                      |                                                   |
|                                                 | Fluorene /芴                                                                                           | 86-73-7         | 1                           | 0.2                      |                                                   |
|                                                 | Naphthalene /萘                                                                                        | 91-20-3         | 1                           | 0.2                      |                                                   |
| 2N. Volatile Organic Compound (VOCs) / 挥发性有机化合物 | Benzene /苯                                                                                            | 71-43-2         | 1                           | 2                        | ISO 11423-1<br>Headspace- or Purge-and-Trap-GC/MS |
|                                                 | Xylene /二甲苯                                                                                           | 1330-20-7       | 1                           | 2                        |                                                   |
|                                                 | o-cresol /邻甲苯酚                                                                                        | 95-48-7         | 1                           | 2                        |                                                   |
|                                                 | p-cresol /对甲苯酚                                                                                        | 106-44-5        | 1                           | 2                        |                                                   |
|                                                 | m-cresol /间甲苯酚                                                                                        | 108-39-4        | 1                           | 2                        |                                                   |
| 1A. Conventional                                | Temperature/温度                                                                                        | —               | N/A                         | N/A                      | Apply the standard                                |





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| Group/组别                                      | Substance (Testing parameter)物质(测试参数)             | CAS No./化学物质登记号         | Report Limit/报告限 值          |                          | Name of the testing method/测试方法                                                                                                                                                                                                                                                              |
|-----------------------------------------------|---------------------------------------------------|-------------------------|-----------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               |                                                   |                         | Wastewater/ 废水 (ug/L)/(ppb) | Sludge/ 污泥 (mg/kg)/(ppm) |                                                                                                                                                                                                                                                                                              |
| Parameters /常规参数                              | TSS/总悬浮固体                                         | —                       | N/A                         | N/A                      | methods that best apply to the region (ISO, EU, US, China), please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels (Foundational, Progressive, and Aspirational).<br><br>Cyanide: With reference to APHA 4500 CN—B,C&E and followed by UV analysis |
|                                               | COD/化学需氧量                                         | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Total-N/总氮                                        | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | pH/酸碱值                                            | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Color [m <sup>-1</sup> ] (436nm; 525nm; 620nm)/色度 | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | BOD <sub>5</sub> /五日生化需氧量                         | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Ammonium-N/氨态氮                                    | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Total-P/总磷                                        | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | AOX/可吸附有机卤化物                                      | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Oil and Grease/油和油脂                               | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Phenol/苯酚                                         | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Coliform(bacteria/100ml)/大肠菌群                     | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Persistent Foam/泡沫持久性                             | —                       | Not visible                 | Not visible              |                                                                                                                                                                                                                                                                                              |
|                                               | <b>ANIONS</b>                                     |                         |                             |                          |                                                                                                                                                                                                                                                                                              |
|                                               | Cyanide( CN <sup>-</sup> )/氰化物                    | Various (incl. 57-12-5) | 0.02                        | 1                        |                                                                                                                                                                                                                                                                                              |
|                                               | Sulfide/硫化物                                       | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Sulfite/亚硫酸盐                                      | —                       | N/A                         | N/A                      |                                                                                                                                                                                                                                                                                              |
| Group /组别                                     | Substance (Testing parameter)/物质 (测试参数)           | CAS No.                 | Report Limit                |                          | Name of the testing method                                                                                                                                                                                                                                                                   |
|                                               |                                                   |                         | Wastewater (mg/L) / (ppm)   | Sludge (mg/kg) / (ppm)   |                                                                                                                                                                                                                                                                                              |
| 1B. Conventional Parameters - METALS/常规参数-重金属 | Antimony( Sb )/锑                                  | 7440-36-0               | 0.001                       | N/A                      | Various Acid Digestion with ICP analysis<br><br>please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels (Foundational, Progressive, and Aspirational).<br><br>Cr(VI): Various Solvent extraction and derivatisation followed by UV analysis         |
|                                               | Chromium( Cr ), total/总铬                          | 7440-47-3               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Cobalt( Co )/钴                                    | 7440-48-4               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Copper( Cu )/铜                                    | 7440-50-8               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Nickel( Ni )/镍                                    | 7440-02-0               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Silver( Ag )/银                                    | 7440-22-4               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Zinc( Zn )/锌                                      | 7440-66-6               | 0.001                       | N/A                      |                                                                                                                                                                                                                                                                                              |
|                                               | Arsenic( As )/砷                                   | 7440-38-2               | 0.001                       | 2                        |                                                                                                                                                                                                                                                                                              |
|                                               | Cadmium( Cd )/镉                                   | 7440-43-9               | 0.0001                      | 2                        |                                                                                                                                                                                                                                                                                              |
|                                               | Chromium VI( CrVI ) /六价铬                          | 18540-29-9              | 0.001                       | 2                        |                                                                                                                                                                                                                                                                                              |
|                                               | Lead( Pb )/铅                                      | 7439-92-1               | 0.001                       | 2                        |                                                                                                                                                                                                                                                                                              |
|                                               | Mercury( Hg )/汞                                   | 7439-97-6               | 0.00005                     | 0.2                      |                                                                                                                                                                                                                                                                                              |
| 3. Conventional Parameters/常规参数               | Dry mass (total solids)/ 干质量 (总固体)                | —                       | N/A                         | N/A                      | US EPA 160.3 / 209A                                                                                                                                                                                                                                                                          |

Note / Key :

ppm = part(s) per million; ppb = part(s) per billion

U. S. EPA = United States Environmental Protection Agency/美国国家环境保护局

APHA = American Public Health Association/美国公共卫生协会



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**APPENDIX C/附录 C – Onsite Field Data Record Sheet/现场数据记录表**

|  |                                                                                         |                                  |
|--|-----------------------------------------------------------------------------------------|----------------------------------|
|  | <b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE<br/>(COMPOSITE / INDIVIDUAL SAMPLING)</b> | <b>CPSD-AN-00613-DATA 04</b>     |
|  |                                                                                         | <b>Issue Date:</b>               |
|  |                                                                                         | <b>Version No.: 11</b>           |
|  |                                                                                         | <b>Business Line: Analytical</b> |

**General Data**

Laboratory Sample Number: 66212240520

Client Name: 魏高会

Field Contact Person: 魏高会 Phone No: 13812586509

Project (Facility Name and Address): 江阴市达服饰有限公司 / 江苏省江阴市礼城镇华昌路2号

Sampling Location / Description: 处理前排放口

Sample Identification: Zero discharge with sampling plan

Sample Type: Composite Sample / Grab sample (Please delete as appropriate)

Name of Sampler: 魏高会

Discharge mode: Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant

Date of collection: 2021.8.12

Factory Type: ✓ Dyeing / Printing / Washing / Finishing / Others (please specify):

\*Note: It would be selected more than one

**Field Data for Wastewater**

|                                        |                 |                                                       |                    |
|----------------------------------------|-----------------|-------------------------------------------------------|--------------------|
| Arrival Time:                          | 10:00           | Departure Time:                                       | 16:00              |
| Field Parameters                       | pH: <u>9.49</u> | Temp: <u>42.0</u> °C                                  | Color: <u>42.6</u> |
| Control No. of field equipment         | CA-002JI        | CA-002JI                                              |                    |
| Factory with effluent treatment plant: | Yes             | No                                                    |                    |
| Sample matrix:                         | ✓               | Incoming water (if required)                          |                    |
|                                        |                 | Wastewater before treatment                           |                    |
|                                        |                 | Wastewater after treatment – water at discharge point |                    |
| Sampler container number               | A2              | A2                                                    | A2                 |
|                                        | 1               | 2                                                     | 3                  |
| Recording time                         | ID              | Time                                                  | Time               |
|                                        |                 | 10:00                                                 | 11:00              |
| pH:                                    |                 | 9.49                                                  | 9.28               |
| Temp (°C):                             |                 | 42.0                                                  | 42.6               |
| Color:                                 |                 | 42.6                                                  | 39.8               |
| Flow rate (volume/time)                |                 | 0.92L                                                 | 0.92L              |
| Volume collected, mL                   |                 | 0.92L                                                 | 0.92L              |
| Total volume collected                 |                 | 6.8L                                                  | 6.8L               |

**Analysis Required and Preservation Method**

| Tests (ZDHC MRSL Parameters)                | Test required (v)                      | Total of sample size | Type of container                                              | Preservation method                                                                       |
|---------------------------------------------|----------------------------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Combined test or Individual test (Remark 4) | 1. Phthalate                           | ✓                    |                                                                |                                                                                           |
|                                             | 2. Chlorobenzenes, Chlorotoluene & PAH | ✓                    |                                                                |                                                                                           |
|                                             | 3. SCCPs                               | ✓                    |                                                                |                                                                                           |
|                                             | 4. APS                                 | ✓                    |                                                                |                                                                                           |
| 5. APEOs                                    | ✓                                      | 100 mL               |                                                                |                                                                                           |
| 6. Chlorophenols & Cresols                  | ✓                                      | 100 mL               |                                                                |                                                                                           |
| 7. Flame retardant                          | ✓                                      | 500 mL               |                                                                |                                                                                           |
| 8. Dyes                                     | ✓                                      | 10 mL                |                                                                |                                                                                           |
| 9. Glycol                                   | ✓                                      | 50 mL                |                                                                |                                                                                           |
| 10. Pesticides                              |                                        | 1000 mL              |                                                                |                                                                                           |
| 11. Nitrosamine                             |                                        | 10 mL                |                                                                |                                                                                           |
| 12. Banned Azodyes                          | ✓                                      | 2000 mL              |                                                                |                                                                                           |
| 13. Free primary aromatic amines            |                                        | 500 mL               |                                                                |                                                                                           |
| 14. Organotin Compounds                     | ✓                                      | 500 mL               | Amber Glass, washed with nitric acid; Pre-add 6.5 mL of 2M HCl | Acidify to pH 2 with HCl and store sample at 6 °C                                         |
| 15. VOC & Halogenated Solvents (Remark 5)   | ✓                                      | 10 mL                |                                                                | Fill to full container without air gap; acidify to pH 2 with HCl and store sample at 6 °C |
| 16. PFCs                                    | ✓                                      | 2 mL                 | PE, washed with pesticide grade Acetone                        | Without adding acid; Store sample at 6 °C                                                 |



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| Tests (Conventional Parameters)                     | Test required (v)                                                     | Total of sample size          | Type of container                                                                                                  | Preservation method                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Combined test or Individual test (Remark 4)         | 17. Total suspended solids (TSS)<br>18. *Total dissolved solids (TDS) | 2000 mL total or 2000 mL each | Amber Glass, washed with nitric acid, rinsed thoroughly with distilled water and dried before use                  | Without adding acid<br>Store sample at 6°C                                                                                                    |
| 19. 5-day Biochemical Oxygen Demand (BOD5)          |                                                                       | 1000 mL                       |                                                                                                                    |                                                                                                                                               |
| 20. Heavy Metals except Cr(VI) & Total-P (Remark 6) | ✓                                                                     | 9 mL                          | PE, washed with nitric acid, pre-add 6.5 mL of 2M HNO <sub>3</sub>                                                 | Acidify to pH 2 with HNO <sub>3</sub> and store at 6°C                                                                                        |
| 21. Cr(VI)                                          | ✓                                                                     | 95 mL                         | Amber Glass, washed with pesticide grade acetone                                                                   | Filter by 0.45µm filter in field, fill to full container without air gap; adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 6°C |
| 22. Cyanide                                         | ✓                                                                     | 500 mL                        |                                                                                                                    | Adjust pH 12 with 50% NaOH, add 0.05 mL of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> and store sample at 6°C                          |
| 23. Chemical oxygen demand (COD)                    |                                                                       | 150 mL                        | Amber Glass, washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub>                          | Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub><br>Store sample at 6°C                                                                    |
| 24. Phenols                                         |                                                                       | 500 mL                        |                                                                                                                    |                                                                                                                                               |
| 25. *Formaldehyde                                   |                                                                       | 25 mL                         |                                                                                                                    | Fill to full container without air gap; acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub> and store sample at 6°C                           |
| 26. Sulfide (Remark 5)                              |                                                                       | 50 mL                         | PE, washed with pesticide grade Acetone;                                                                           | Fill to full container without air gap; add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH<br>Store sample at 6°C                    |
| 27. Adsorbable organically bound halogens (AOX)     |                                                                       | 100 mL                        | Amber Glass, washed with nitric acid, pre-add 6.5 mL of 2M HNO <sub>3</sub>                                        | Add 0.05 mL of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub> , Store sample at 6°C  |
| 28. Total Coliform (Remark 6)                       |                                                                       | 125 mL                        | PE, clean, sterile, non-reactive                                                                                   |                                                                                                                                               |
| 29. Persistent foam                                 |                                                                       | N.A.                          | Foam higher than 45 cm (visual estimation):                                                                        | Yes / No                                                                                                                                      |
| 30. Sulfite                                         |                                                                       | 100 mL                        | Amber Glass, washed with pesticide grade acetone                                                                   | Add 1 mL of 2.5% EDTA, 0.5g zinc acetate<br>Store sample at 6°C                                                                               |
| 31. Total-N                                         |                                                                       | 100 mL                        | Amber Glass with wide-mouth PTFE lid; washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub> | Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub><br>Store sample at 6°C                                                                    |
| 32. Ammonium-N                                      |                                                                       | 500 mL                        |                                                                                                                    |                                                                                                                                               |
| 33. Oil and Grease                                  |                                                                       | 1000 mL                       | Amber Glass, washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub>                          |                                                                                                                                               |
| 34. Total Hydrocarbon                               |                                                                       | 1000 mL                       |                                                                                                                    |                                                                                                                                               |
| 35. Luminous Bacteria Toxicity                      |                                                                       | 1000 mL                       | Amber Glass, washed with nitric acid, rinsed thoroughly with distilled water and dried before use                  | Without adding acid<br>Store sample at 6°C                                                                                                    |
| 36. Sulphate                                        |                                                                       | 100 mL                        |                                                                                                                    |                                                                                                                                               |
| 37. Chloride                                        |                                                                       | 100 mL                        |                                                                                                                    |                                                                                                                                               |
| 38. Others:                                         |                                                                       |                               |                                                                                                                    |                                                                                                                                               |
| Observation/ Remark:                                |                                                                       |                               |                                                                                                                    |                                                                                                                                               |

## \*Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2016 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1, 2, 4-9, 12, 14-17, 19-24, 26-33  
Scope of synthetic leather industry: Parameter 1, 2, 4-9, 12, 14-17, 19-33  
Scope of MMCF: Parameter 4, 5, 17, 19-24, 26, 27, 31-37  
Free primary aromatic amine, pesticides, nitrosamine and TDS are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-G00019-STIP01, locations with those CPSD test capability inside TCD matrix can perform the combined test.
- Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.
- Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by:

李旭东  
Full name:

Date:

2021.8.12

Comment from factory:

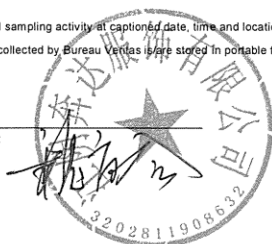
处理前 E. 12024'23" N: 31°43'30"

## Acknowledgement by factory

I hereby confirmed that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) is/are collected in designated container(s) and without any observation in leakage. Sample(s) collected by Bureau Veritas is/are stored in portable freezer / fridge that is maintained in 1-6°C

Signatory of Factory Representative:

Full Name:



Date:

2021.8.12



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|  |                                                                                 |                           |
|--|---------------------------------------------------------------------------------|---------------------------|
|  | FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE<br>(COMPOSITE / INDIVIDUAL SAMPLING) | CPSD-AN-00613-DATA 04     |
|  |                                                                                 | Issue Date:               |
|  |                                                                                 | Version No.: 11           |
|  |                                                                                 | Business Line: Analytical |

**General Data**

Laboratory Sample Number: 66212240520

Client Name: 魏高会

Field Contact Person: 魏高会 Phone No: 13812586509

Project (Facility Name and Address): 江阴车达服饰有限公司 / 江苏省江阴市祝塘镇华昌路2号

Sampling Location / Description: 污水排放口

Sample Identification: Zero discharge with sampling plan

Sample Type: Composite Sample / Grab sample (Please delete as appropriate)

Name of Sampler: 李旭东

Discharge mode: Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant

Date of collection: 2021.8.12

Factory Type: Dyeing / Printing / Washing / Finishing / Others (please specify):

\*Note: It would be selected more than one

**Field Data for Wastewater**

|                                        |                                                       |                                                                                   |                 |       |        |       |                            |       |
|----------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|-------|--------|-------|----------------------------|-------|
| Arrival Time:                          | 10:05                                                 |                                                                                   | Departure Time: |       | 16:05  |       |                            |       |
| Field Parameters                       | pH:                                                   |                                                                                   | Temp:    °C     |       | Color: |       | Flow rate:    (volume/min) |       |
| Control No. of field equipment         | CA-002JI                                              |                                                                                   | CA-002JI        |       |        |       |                            |       |
| Factory with effluent treatment plant: |                                                       |                                                                                   |                 |       |        | No    |                            |       |
| Sample matrix:                         | Incoming water (If required)                          |                                                                                   |                 |       |        |       |                            |       |
|                                        | Wastewater before treatment                           |                                                                                   |                 |       |        |       |                            |       |
|                                        | Wastewater after treatment – water at discharge point |                                                                                   |                 |       |        |       |                            |       |
| Sampler container number               | A3                                                    | A3                                                                                | A3              | A3    | A3     | A3    | A3                         |       |
|                                        | 1                                                     | 2                                                                                 | 3               | 4     | 5      | 6     | 7                          | 8     |
| Recording time                         | ID                                                    |                                                                                   |                 |       |        |       |                            |       |
|                                        | Time                                                  | 10:05                                                                             | 11:05           | 12:05 | 13:05  | 14:05 | 15:05                      | 16:05 |
| pH:                                    | 6.7                                                   | 7.1                                                                               | 6.9             | 7.3   | 7.1    | 7.0   | 6.8                        |       |
| Temp (°C):                             | 37.1                                                  | 37.2                                                                              | 38.0            | 38.2  | 37.8   | 38.1  | 37.7                       |       |
| Color:                                 | 深灰                                                    | 淡灰                                                                                | 酒红              | 酒红    | 淡兰     | 淡兰    | 淡兰                         |       |
| Flow rate (volume/time)                |                                                       |                                                                                   |                 |       |        |       |                            |       |
| Volume collected, mL                   | 1.15L                                                 | 1.15L                                                                             | 1.15L           | 1.15L | 1.15L  | 1.15L | 3.5L                       |       |
| Total volume collected                 | 10.4                                                  | Remark: Total volume collected must be greater than total of sample size required |                 |       |        |       |                            |       |

**Analysis Required and Preservation Method**

| Tests (ZDHC MRSL Parameters)                | Test required (v)                                                            | Total of sample size          | Type of container                                                                                 | Preservation method                        |
|---------------------------------------------|------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------|
| Combined test or Individual test (Remark 4) | 1. Phthalate<br>2. Chlorobenzenes, Chlorotoluene & PAH<br>3. SCCPs<br>4. APS | 1000 mL total or 1000 mL each | Amber Glass, washed with nitric acid, rinsed thoroughly with distilled water and dried before use | Without adding acid<br>Store sample at 6°C |
| 5. APEOs                                    | ✓                                                                            | 100 mL                        |                                                                                                   |                                            |
| 6. Chlorophenols & Cresols                  | ✓                                                                            | 100 mL                        |                                                                                                   |                                            |
| 7. Flame retardant                          | ✓                                                                            | 500 mL                        |                                                                                                   |                                            |
| 8. Dyes                                     | ✓                                                                            | 10 mL                         |                                                                                                   |                                            |
| 9. Glycol                                   | ✓                                                                            | 50 mL                         |                                                                                                   |                                            |
| 10. *Pesticides                             |                                                                              | 1000 mL                       |                                                                                                   |                                            |
| 11. *Nitrosamine                            |                                                                              | 10 mL                         |                                                                                                   |                                            |
| 12. Banned Azodyes                          | ✓                                                                            | 2000 mL                       |                                                                                                   |                                            |
| 13. *Free primary aromatic amines           |                                                                              | 500 mL                        |                                                                                                   |                                            |
| 14. Organotin Compounds                     | ✓                                                                            | 500 mL                        |                                                                                                   |                                            |
| 15. VOC & Halogenated Solvents (Remark 6)   | ✓                                                                            | 10 mL                         |                                                                                                   |                                            |
| 16. PFCs                                    | ✓                                                                            | 2 mL                          | PE, washed with pesticide grade Acetone                                                           | Without adding acid<br>Store sample at 6°C |





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| Tests (Conventional Parameters)                     | Test required (v)                                                     | Total of sample size          | Type of container                                                                                                  | Preservation method                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Combined test or Individual test (Remark 4)         | 17. Total suspended solids (TSS)<br>18. *Total dissolved solids (TDS) | 2000 mL total or 2000 mL each | Amber Glass, washed with nitric acid, rinsed thoroughly with distilled water and dried before use                  | Without adding acid<br>Store sample at 6°C                                                                                                    |
| 19. 5-day Biochemical Oxygen Demand (BOD5)          | ✓                                                                     | 1000 mL                       |                                                                                                                    |                                                                                                                                               |
| 20. Heavy Metals except Cr(VI) & Total-P (Remark 6) | ✓                                                                     | 9 mL                          | PE, washed with nitric acid, pre-add 6.5mL of 2M HNO <sub>3</sub>                                                  | Acidify to pH 2 with HNO <sub>3</sub> and store at 6°C                                                                                        |
| 21. Cr(VI)                                          | ✓                                                                     | 95 mL                         | Amber Glass, washed with pesticide grade acetone                                                                   | Filter by 0.45µm filter in field, fill to full container without air gap; adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 6°C |
| 22. Cyanide                                         | ✓                                                                     | 500 mL                        |                                                                                                                    | Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , and store sample at 6°C                        |
| 23. Chemical oxygen demand (COD)                    | ✓                                                                     | 150 mL                        | Amber Glass, washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub>                          | Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub><br>Store sample at 6°C                                                                    |
| 24. Phenols                                         | ✓                                                                     | 500 mL                        |                                                                                                                    | Fill to full container without air gap; acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub> and store sample at 6°C                           |
| 25. *Formaldehyde                                   |                                                                       | 25 mL                         |                                                                                                                    | Fill to full container without air gap; add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH<br>Store sample at 6°C                    |
| 26. Sulfide (Remark 5)                              | ✓                                                                     | 50 mL                         | PE, washed with pesticide grade Acetone;                                                                           | Add 0.05 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub> , Store sample at 6°C  |
| 27. Adsorbable organically bound halogens (AOX)     | ✓                                                                     | 100 mL                        | Amber Glass, washed with nitric acid, pre-add 6.5mL of 2M HNO <sub>3</sub>                                         |                                                                                                                                               |
| 28. Total Coliform (Remark 6)                       | ✓                                                                     | 125 mL                        | PE, clean, sterile, non-reactive                                                                                   |                                                                                                                                               |
| 29. Persistent foam                                 | ✓                                                                     | N.A.                          | Foam higher than 45 cm (visual estimation): Yes / No                                                               |                                                                                                                                               |
| 30. Sulfite                                         | ✓                                                                     | 100 mL                        | Amber Glass, washed with pesticide grade acetone                                                                   | Add 1mL of 2.5% EDTA, 0.5g zinc acetate<br>Store sample at 6°C                                                                                |
| 31. Total-N                                         | ✓                                                                     | 100 mL                        | Amber Glass with wide-mouth PTFE lid; washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub> | Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub><br>Store sample at 6°C                                                                    |
| 32. Ammonium-N                                      | ✓                                                                     | 500 mL                        |                                                                                                                    |                                                                                                                                               |
| 33. Oil and Grease                                  | ✓                                                                     | 1000 mL                       | Amber Glass, washed with nitric acid; Pre-add 6.5 mL of 2M H <sub>2</sub> SO <sub>4</sub>                          |                                                                                                                                               |
| 34. Total Hydrocarbon                               | ✓                                                                     | 1000 mL                       |                                                                                                                    |                                                                                                                                               |
| 35. Luminous Bacteria Toxicity                      | ✓                                                                     | 1000 mL                       | Amber Glass, washed with nitric acid, rinsed thoroughly with distilled water and dried before use                  | Without adding acid<br>Store sample at 6°C                                                                                                    |
| 36. Sulphate                                        | ✓                                                                     | 100 mL                        |                                                                                                                    |                                                                                                                                               |
| 37. Chloride                                        | ✓                                                                     | 100 mL                        |                                                                                                                    |                                                                                                                                               |
| 38. Others:                                         | ✓                                                                     |                               |                                                                                                                    |                                                                                                                                               |

Observation/ Remark:

\*Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2016 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1, 2, 4-9, 12, 14-17, 19-24, 26-33  
Scope of synthetic leather industry: Parameter 1, 2, 4-9, 12, 14-17, 19-33  
Scope of MMCF: Parameter 4, 5, 17, 19-24, 26, 27, 31-37  
Free primary aromatic amine, pesticides, nitrosamine and TDS are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPD-AN-G00019-STIP01, locations with those CPD test capability inside TCD matrix can perform the combined test.
- Refer to CPD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.
- Refer to CPD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by:

Full name:

Date:

Comment from factory:

Acknowledgement by factory:

I hereby confirmed that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) is/are collected in designated container(s) and without any observation in leakage. Sample(s) collected by Bureau Veritas is/are stored in portable freezer / fridge that is maintained in 1-6°C

Signatory of Factory Representative:

Full Name:

Date:

## APPENDIX D/附录 D – Limitation Value of Legal Requirements/法律要求限值

当前位置：水污染物排放信息审核

### 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   | 综合废水排放口 | 五日生化需氧量                 | 50mg/L          |
| DW001   | 综合废水排放口 | 二氧化氯                    | 0.5mg/L         |
| DW001   | 综合废水排放口 | 硫化物                     | 0.5mg/L         |
| DW001   | 综合废水排放口 | 色度                      | 80              |
| DW001   | 综合废水排放口 | 流量                      | /               |
| DW001   | 综合废水排放口 | 总镉                      | 0.08mg/L        |
| DW001   | 综合废水排放口 | 悬浮物                     | 100mg/L         |
| DW001   | 综合废水排放口 | 化学需氧量                   | 200mg/L         |
| DW001   | 综合废水排放口 | 总氮 (以N计)                | 30mg/L          |
| DW001   | 综合废水排放口 | 总磷 (以P计)                | 1.5mg/L         |
| DW001   | 综合废水排放口 | 苯胺类                     | 1mg/L           |
| DW001   | 综合废水排放口 | pH值                     | 6-9             |
| DW001   | 综合废水排放口 | 氨氮 (NH <sub>3</sub> -N) | 20mg/L          |
| 主要排放口合计 |         |                         | CODcr           |
|         |         |                         | 氨氮              |
|         |         |                         | 总氮 (以N计)        |
|         |         |                         | 总磷 (以P计)        |