TEST REPORT

Technical Report/技术报告: **(9322)192-1849** Jul 28, 2022
Date Received 收样时间: Jul 12, 2022
2022 年 07 月 12 日

Factory Company Name: 公司名称:	Kwong Hing (Zhong Shan) Weaving Dyeing & Printing Co.,Ltd 广兴（中山）纺织印染有限公司
Factory Address: 公司地址:	No.18 Guang Xin Road ,Da Yan Industrial Zone, Huang-Pu Town, Zhong Shan City, Guangdong, China./中山市黄圃镇大雁工业区广兴路 18 号
Project No.: 项目编号:	N/A 不适用
Client Reference No.: 客户编号:	N/A 不适用
Sample Type: 样品类型:	Wastewater - Time-Weighted Composite Grab Samples* 废水 -时间加权复合抓取样本*
Sample Pick Up Date: 采样时间:	Jul 12, 2022 2022 年 07 月 12 日
Discharge Type: 排放类型:	Direct Discharge 直接排放
Wastewater Discharge to: 污水排放至:	Nearby river or waterbody 附近河流或水体 – Hongqili Shuidao/洪奇历水道
Off-site ETP name (if applicable): 外部污水处理厂名称(如适用):	N/A 不适用
Off-site ETP address (if applicable): 外部污水处理厂地址(如适用):	N/A 不适用
Local Regulation: / Ordinance / requirements related to wastewater discharged are followed: 当地法规：遵守与废水排放相关的法令/要求：	GB 4287-2012
On-Site Effluent Treatment Plant (ETP): 是否有内部污水厂:	Yes 是
Test Period: 测试周期:	Jul 12, 2022 to Jul 28, 2022 2022 年 07 月 12 日至 2022 年 07 月 28 日
Testing Option: 测试选项:	Option 2 – Incoming Water, Raw and Untreated Wastewater 方案 2–进水、未经处理的废水和处理过的废水

Sample Description:
样品描述:

I001) Transparent liquid 透明液体– Incoming Water 进水
I002) Blue liquid 蓝色液体– Raw Wastewater 原废水
I003) Transparent liquid 透明液体– Treated Wastewater 处理过的废水

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REMARK/备注

If there are questions or concerns on this report, please contact: (86)20-22902088
若有任何疑问或咨询, 请联络:

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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

Coliform was subcontracted items.
大肠菌群为分包项目

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD.

广州必维技术检测有限公司 报告专用章

NINA REN
SENIOR MANAGER

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Executive Summary

1A) Conventional Parameters 常规参数	I001	I002	I003
Temperature 温度	NR	NR	☐
TSS 总溶解固体			☐
COD 化学需氧量			☐
Total-N 总氮			☐
pH Value			☐
Color [m^{-1}] (436nm; 525nm; 620nm)色度			☐
BOD_5 五日生化需氧量			☐
Ammonium-N 氨氮			☐
Total-P 总磷			☐
AOX 可吸附卤素			☐
Oil and Grease 油和油脂			☐
Phenol 挥发酚			☐
Coliform 大肠菌群			☐
Persistent Foam 可持续性泡沫			☐
ANIONS – Cyanide 阴离子−氰化物	N/A	N/A	☐
ANIONS – Sulfide 阴离子−硫化物	N/A	N/A	☐
ANIONS – Sulfite 阴离子−亚硫酸盐	NR	N/A	☐
1B) Conventional Parameters –METALS 常规参数-金属	N/A	N/A	☐

Note / Key :

- ☐ – Meet Foundational Limit/符合基本限值
- ■ – Exceeding Foundational Limit /超过基本限值
- NR – Not Requested / Not required/未要求测试
- N/A – Not Applicable 不适用

ZDHC MRSL Substances 生产限用物质	I001	I002	I003
2A) APs and APEOs 烷基酚及烷基酚聚氧乙烯醚	NR	o	o
2B) Chlorobenzenes and Chlorotoluenes 氯苯和氯甲苯	NR	o	o
2C) Chlorophenols 氯化苯酚	NR	o	o
2D) Azo Dyes 偶氮染料	NR	o	o
2E) Carcinogenic Dyes 致癌染料	NR	o	o
2F) Disperse Dyes 分散染料	NR	o	o
2G) Flame Retardants 阻燃剂	NR	o	o
2H) Glycols 乙二醇类	NR	o	o
2I) Halogenated Solvents 卤代溶剂	NR	o	o
2J) Organotin Compounds 有机锡化合物	NR	o	o
2K) Perfluorinated and Polyfluorinated Chemicals 全氟和多氟化合物	NR	o	o
2L) Phthalates 邻苯二甲酸盐	NR	o	o
2M) Poly Aromatic Hydrocarbons 多环芳烃	NR	o	o
2N) Volatile Organic Compounds 挥发性有机物	NR	o	o

Note / Key :

- • – 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/氯苯和氯甲苯
2C) Chlorophenols/氯化苯酚
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/乙二醇类
2I) Halogenated Solvents/卤化溶剂
2J) Organotin Compounds/有机锡化合物
2K) Perfluorinated and Polyfluorinated Chemicals/全氟和多氟化合物
2L) Phthalates/邻苯二甲酸盐
2M) Poly Aromatic Hydrocarbons/多环芳烃
2N) Volatile Organic Compounds/挥发性有机物

Sampling Plan

Basically, three environment samples were sampled per factory, including 1) Incoming water; 2) Discharged Wastewater (raw wastewater) and 3) Discharged Wastewater (treated wastewater). Total number of sample collected will be depended on the actual factory facilities and manufacturing processes.
每个工厂需采集的样品主要有三种 1)进水 2) 排放废水（原废水） 3)排放废水（处理后的废水）。具体每种样品采集数量需根据工厂实际的生产设施和生产流程来决定。

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混合取样法(经客户同意)。混合取样法必须不能少于 6 小时，每次取样间隔不超过 1 小时，每次取样需要等体积。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 :

- Sampling procedure is with reference to below standards/ 采样参考标准流程如下:
  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. 现场记录见附录 B
- Field on-site photos are attached in Appendix A and field data records are attached in Appendix C.
  现场照片见附录 A, 现场数据记录参加附录 C

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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 GB/T 13195-1991
测试方法 由温度计测量 GB/T 13195-1991

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	34.4 (Foundational/基础水平)	deg. C 摄氏度	DATA

Note:

deg. C = degree Celsius (°C)/摄氏度
Foundational Limit: ▲15 / max. 35°C; Progressive Limit: ▲10 / max. 30°C; Aspirational Limit: ▲5 / max. 25°C
基础水平：▲15 / max. 35°C；良好水平：▲10 / max. 30°C 最佳水平：▲5 / max. 25°C

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 11901-1989

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	14 (Progressive/良好水平)	mg/L	DATA

Note 注释:

mg/L = milligram per liter 毫克/升
Foundational Limit: 50 mg/L; Progressive Limit: 15 mg/L; Aspirational Limit: 5 mg/L
基础水平：50 毫克/升；良好水平：15 毫克/升；最佳水平：5 毫克/升

Chemical Oxygen Demand (COD)化学需氧量

Test Method : Reference to HJ828-2017
测试方法 参考 HJ828-2017

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	77 (Progressive/良好水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter 毫克每升
Foundational Limit: 150 mg/L; Progressive Limit: 80 mg/L; Aspirational Limit: 40 mg/L
基础水平：150 毫克/升；良好水平：80 毫克/升；最佳水平：40 毫克/升

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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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	4.18 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter
Foundational Limit: 20 mg/L; Progressive Limit: 10 mg/L; Aspirational Limit: 5 mg/L
基础水平：20 毫克/升；良好水平：10 毫克/升；最佳水平：5 毫克/升

pH Value 酸碱度

Test Method : Reference to HJ 1147-2020
测试方法 参考 HJ 1147-2020

-	Unit	Result
Test Item(s) 测试项目	-	I003
Parameter 参数	-	-
Temp. of sample 样品温度	deg. C	34.4
pH value of sample 样品酸碱度	-	7.9 (Comply with ZDHC WWG requirements) (符合废水指南的要求)
Conclusion 结论	-	DATA

Note 注释:

Temp. = Temperature/温度 deg. C = degree Celsius (°C)/摄氏度
Limit: 6 – 9/限值 6-9

Color [m^{-1}] (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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	<0.1;<0.1;<0.1 (Aspirational/最佳水平)	m^{-1}	DATA

Note 注释:
Foundational Limit: 7;5;3 m^{-1}; Progressive Limit: 5;3;2 m^{-1}; Aspirational Limit: 2;1;1 m^{-1}
基础水平：7:5:3 m^{-1}；良好水平：5:3:2 m^{-1};最佳水平：2:1:1 m^{-1}

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Biochemical Oxygen Demand (BOD_5)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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	18.6 (Foundational/基础水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 30 mg/L; Progressive Limit: 15 mg/L; Aspirational Limit: 5 mg/L
基础水平：30 毫克/升；良好水平：15 毫克/升；最佳水平：5 毫克/升

Ammonium Nitrogen 氨氮

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

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	0.706 (Progressive/良好水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 10 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.5 mg/L
基础水平：10 毫克/升；良好水平：1 毫克/升；最佳水平：0.5 毫克/升

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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	0.06 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 3 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.1 mg/L
基础水平：3 毫克/升；良好水平：0.5 毫克/升；最佳水平：0.1 毫克/升

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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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	0.079 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.1 mg/L
基础水平：5 毫克/升；良好水平：1 毫克/升；最佳水平：0.1 毫克/升

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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	0.11 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 10 mg/L; Progressive Limit: 2 mg/L; Aspirational Limit: 0.5 mg/L
基础水平：10 毫克/升；良好水平：2 毫克/升；最佳水平：0.5 毫克/升

Phenol 挥发酚

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

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	<0.0003 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 0.5 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.001 mg/L
基础水平：0.5 毫克/升；良好水平：0.01 毫克/升；最佳水平：0.001 毫克/升

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Coliform 大肠菌群

Test Method : Reference to GB/T 5750.12-2006
测试方法 参考 GB/T 5750.12-2006

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	Not Detected (Aspirational/最佳水平)	bacteria/ 100 mL 细菌数/100 毫升	DATA

Note 注释:

bacteria/100 mL = bacteria per 100 milliliters/每 100 毫升细菌数
Foundational Limit: 400 / 100 ml; Progressive Limit: 100 / 100 ml; Aspirational Limit: 25 / 100 ml;
基础水平：400/100 毫升；良好水平：100/100 毫升；最佳水平：25/100 毫升

Persistent Foam 可持续性泡沫

Test Method : Visual
测试方法 目测

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	No foam 无泡沫 (Comply with ZDHC WWG requirements) (符合废水指南的要求)	-	DATA

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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I001	<0.02	mg/L	DATA
I002	0.023	mg/L	DATA
I003	<0.02 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L
基础水平：0.2 毫克/升；良好水平：0.1 毫克/升；最佳水平：0.05 毫克/升

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ANIONS - Sulfide 阴离子-硫化物

Test Method : Reference to HJ 1226-2021
测试方法 参考 HJ 1226-2021

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I001	<0.01	mg/L	DATA
I002	0.04	mg/L 毫克/升	DATA
I003	<0.01 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 0.5 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L
基础水平：0.5 毫克/升；良好水平：0.05 毫克/升；最佳水平：0.01 毫克/升

ANIONS - Sulfite 阴离子-亚硫酸盐

Test Method : Reference to HJ 84-2016
测试方法 参考 HJ 84-2016

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I002	<0.046	mg/L 毫克/升	DATA
I003	<0.046 (Aspirational/最佳水平)	mg/L 毫克/升	DATA

Note 注释:

mg/L = milligram per liter/毫克每升
Foundational Limit: 2 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.2mg/L
基础水平：2 毫克/升；良好水平：0.5 毫克/升；最佳水平：0.2 毫克/升

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

Heavy Metals/重金属	**I001 (mg/L)毫克/升**	**I002(mg/L)毫克/升**	**I003(mg/L)毫克/升**
Antimony(Sb) 锑 Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	ND	ND	ND (Aspirational/最佳水平)
Chromium(Cr), total 总铬 Foundational Limit: 000 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L	ND	ND	ND (Aspirational/最佳水平)
Cobalt(Co) 钴 Foundational Limit:0.05 mg/L; Progressive Limit: 0.02 mg/L; Aspirational Limit: 0.01 mg/L	ND	ND	ND (Aspirational/最佳水平)
Copper(Cu) 铜 Foundational Limit: 1 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.25 mg/L	ND	0.261	0.025 (Aspirational/最佳水平)
Nickel (Ni) 镍 Foundational Limit:.0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L	ND	ND	ND (Aspirational/最佳水平)
Silver (Ag) 银 Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.005 mg/L	ND	ND	ND (Aspirational/最佳水平)
Zinc(Zn) 锌 Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.5 mg/L	0.005	0.082	0.026 (Aspirational/最佳水平)
Arsenic (As) 砷 Foundational Limit: 0.05 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.005 mg/L	ND	0.002	ND (Aspirational/最佳水平)
Cadmium(Cd) 镉 Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	0.0003	ND	ND (Aspirational/最佳水平)
Chromium VI(CrVI) 六价铬 Foundational Limit: 0.05 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit: 0.001 mg/L	ND	ND	ND (Aspirational/最佳水平)
Lead(Pb) 铅 Foundational Limit:0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	0.002	0.011	ND (Aspirational/最佳水平)
Mercury (Hg) 汞 Foundational Limit: 0.01 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit :0.001 mg/L	ND	ND	ND (Aspirational/最佳水平)

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Others Priority Chemical Groups 其他优先化学物质

	I001 (µg/L/微克/升)	I002 (µg/L/ 微克/升)	I003 (µg/L/ 微克/升)
2A) APs and APEOs/ 烷基酚及烷基酚聚氧乙烯醚	NR	ND	ND
2B) Chlorobenzenes and Chlorotoluenes/ 氯化苯和氯甲苯	NR	ND	ND
2C) Chlorophenols/氯酚	NR	ND	ND
2D) Azo Dyes/偶氮染料	NR	ND	ND
2E) Carcinogenic Dyes/致癌染料	NR	ND	ND
2F) Disperse Dyes/分散染料	NR	ND	ND
2G) Flame Retardants/阻燃剂	NR	ND	ND
2H) Glycols/乙二醇	NR	ND	ND
2I) Halogenated Solvents/卤化溶剂	NR	ND	ND
2J) Organotin Compounds/有机锡化合物	NR	ND	ND
2K) Perfluorinated and Polyfluorinated Chemicals/全氟化合物和多氟化合物	NR	ND	ND
2L) Phthalates/邻苯二甲酸盐	NR	ND	ND
2M) Poly Aromatic Hydrocarbons/多环芳香烃	NR	ND	ND
2N) Volatile Organic Compounds /挥发性有机化合物	NR	ND	ND

Remark/备注：

- Test method, reporting limit and list of chemical are summarized in tables of Appendix B.
  测试方法，限量值和化学列表在附录 B 中
- ND = Not detected (Please refer to reporting limit shown in Appendix B.).
  ND=未检出(请参考附录 B 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
- NR – Not Requested / Not required/未要求测试
- The testing report without CMA logo is solely intended for the exclusive internal use of specific client, which does not serve as a certification in Chinese society.
  未有 CMA 标识的测试报告仅供特定委托方内部使用, 其在中国境内不具有对社会的证明作用.

-END-
-结束-

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APPENDIX A - Photo of the Sample/ Sampling Location
样品照片/取样地照片

I001) Sampling Point 取样点 N 22º 45’ 04” E 113º 21’ 49” 	I001) Sampling Point Surrounding Environment 取样点周围环境 N 22º 45’ 04” E 113º 21’ 49” 
I001) All sampled bottles with label 全部带标签的取样瓶 	I001) pH value pH 值 

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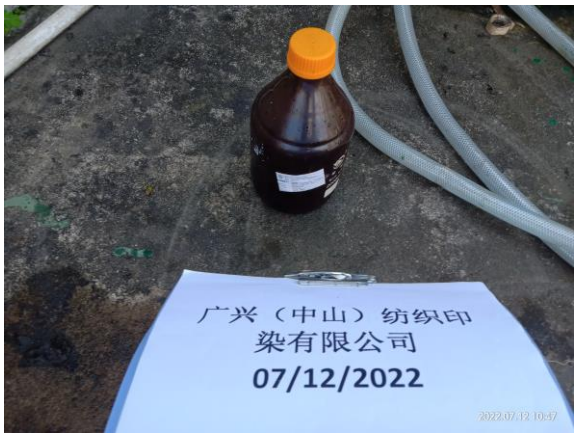
I001) Sample for Phthalate Testing 邻苯测试样品  	I001) Packaging 包装 
I002) Sampling Point 取样点 N 22º 45’ 04” E 113º 21’ 50”  	I002) Sampling Point Surrounding Environment 取样点周围环境 N 22º 45’ 04” E 113º 21’ 50” 

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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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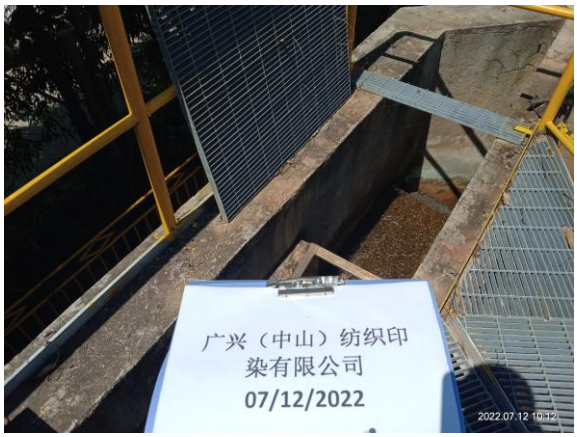
I003) Sampling Point 取样点 N 22º 44’ 57” E 113º 21’ 49”	I003) Sampling Point Surrounding Environment 取样点周围环境 N 22º 44’ 57” E 113º 21’ 49”
	
I003) All sampled bottles with label 全部带标签的取样瓶	I003) pH value pH 值
	

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I003) Sample for Phthalate Testing 邻苯测试样品	I003) 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 报告检出限		Name of the testing method/测试方法名称
			Wastewater (ug/L)/(ppb)	Sludge (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) OPEO/NPEO: ISO18857-2 or ASTM D7065(LC/MS; GC/MS or LC/MSMS for n=1,2) APEO 1-18
	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	
	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-Tetraclorobenzene/ 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 / 2,4-二氯甲苯	95-73-8	0.2	0.2	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	2,5-Dichlorotoluene/ 2,5-二氯甲苯	19398-61-9	0.2	0.2	
	2,6-Dichlorotoluene / 2,6-二氯甲苯	118-69-4	0.2	0.2	
	3,4-Dichlorotoluene / 3,4-二氯甲苯	95-75-0	0.2	0.2	
	3,5-Dichlorotoluene/ 3,5-二氯甲苯	25186-47-4	0.2	0.2	
	2,3,4-Trichlorotoluene / 2,3,4-三氯甲苯	7359-72-0	0.2	0.2	
	2,3,6-Trichlorotoluene / 2,3,6-三氯甲苯	2077-46-5	0.2	0.2	
	2,4,5-Trichlorotoluene / 2,4,5-三氯甲苯	6639-30-1	0.2	0.2	
	2,4,6-Trichlorotoluene / 2,4,6-三氯甲苯	23749-65-7	0.2	0.2	
	3,4,5-Trichlorotoluene / 3,4,5-三氯甲苯	21472-86-6	0.2	0.2	
	2,3,4,5-Tetrachlorotoluene 2,3,4,5-四氯甲苯	76057-12-0	0.2	0.2	
	2,3,5,6-Tetrachlorotoluene / 2,3,5,6-四氯甲苯	29733-70-8	0.2	0.2	
	2,3,4,6-Tetrachlorotoluene / 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/ 氯酚	2-Chlorophenol/2-氯苯酚	95-57-8	0.5	0.05	USEPA 8270 D Solvent extraction, derivatisation with KOH, acetic anhydride 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/2,3-二氯苯酚	576-24-9	0.5	0.05	
	2,4-Dichlorophenol/2,4-二氯苯酚	120-83-2	0.5	0.05	
	2,5-Dichlorophenol/ 2,5-二氯苯酚	583-78-8	0.5	0.05	
	2,6-Dichlorophenol/ 2,6-二氯苯酚	87-65-0	0.5	0.05	
	3,4-Dichlorophenol/3,4-二氯苯酚	95-77-2	0.5	0.05	
	3,5-Dichlorophenol/3,5-二氯苯酚	591-35-5	0.5	0.05	
	2,3,4-Trichlorophenol/ 2,3,4-三氯苯酚	15950-66-0	0.5	0.05	
	2,3,5-Trichlorophenol/ 2,3,5-三氯苯酚	933-78-8	0.5	0.05	
	2,3,6-Trichlorophenol/ 2,3,6-三氯苯酚	933-75-5	0.5	0.05	
	2,4,5-Trichlorophenol/ 2,4,5-三氯苯酚	95-95-4	0.5	0.05	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	2,4,6-Trichlorophenol/ 2,4,6-三氯苯酚	88-06-2	0.5	0.05	
	3,4,5-Trichlorophenol/ 3,4,5-三氯苯酚	609-19-8	0.5	0.05	
	2,3,4,5-Tetrachlorophenol/ 2,3,4,5-四氯苯酚	4901-51-3	0.5	0.05	
	2,3,4,6-Tetrachlorophenol/ 2,3,4,6-四氯苯酚	58-90-2	0.5	0.05	
	2,3,5,6-Tetrachlorophenol 2,3,5,6-四氯苯酚	935-95-5	0.5	0.05	
	Pentachlorophenol (PCP)/ 五氯苯酚	87-86-5	0.5	0.05	
2D. Dyes - Azo (Forming Restricted Amines)/ 偶氮染料（形成限制胺类	4,4`-Methylene-bis-(2-chloro-aniline) 4,4'-亚甲基-二-（2-氯苯胺）	101-14-4	0.1	0.2	EN 14362. Reduction step with Sodiumdithionite, solvent extraction, GC/MS or LC/MS
	4,4'-methylenedianiline 4,4`-二氨基二苯甲烷	101-77-9	0.1	0.2	
	4,4`-Oxydianiline 4,4'-二氨基二苯醚	101-80-4	0.1	0.2	
	4-Chloroaniline 4-氯苯胺	106-47-8	0.1	0.2	
	3,3`-Dimethoxybenzidine 3,3'-二甲氧基联苯胺	119-90-4	0.1	0.2	
	3,3`-Dimethylbenzidine 3,3'-二甲基联苯胺	119-93-7	0.1	0.2	
	6-methoxy-m-toluidine (p-Cresidine) 6-甲氧基间甲苯胺	120-71-8	0.1	0.2	
	2,4,5-Trimethylaniline 2,4,5-三甲基苯胺	137-17-7	0.1	0.2	
	4,4`-Thiodianiline 4,4'-二氨基二苯硫醚	139-65-1	0.1	0.2	
	4-Aminoazobenzene 4-氨基偶氮苯	60-09-3	0.1	0.2	
	4-Methoxy-m-phenylenediamine 4-甲氧-间苯二胺	615-05-4	0.1	0.2	
	4,4`-Methylene-di-o-toluidine 4,4'-二甲基-邻甲苯胺	838-88-0	0.1	0.2	
	2,6-Xylidine	87-62-7	0.1	0.2	
	o-Anisidine 邻氨基苯甲醚	90-04-0	0.1	0.2	
	2-Naphthylamine 2-萘胺	91-59-8	0.1	0.2	
	3,3`-Dichlorobenzidine 3,3'-二氯联苯胺	91-94-1	0.1	0.2	
	4-Aminodiphenyl 4-氨基联苯	92-67-1	0.1	0.2	
	Benzidine 联苯胺	92-87-5	0.1	0.2	
	o-Toluidine 邻甲苯胺	95-53-4	0.1	0.2	
	2,4-Xylidine	95-68-1	0.1	0.2	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	4-Chloro-o-toluidine 4-氯邻甲苯胺	95-69-2	0.1	0.2	
	4-Methyl-m-phenylenediamine 4-甲基间苯二胺	95-80-7	0.1	0.2	
	o-Aminoazotoluene 邻氨基偶氮甲苯	97-56-3	0.1	0.2	
	5-nitro-o-toluidine 5-硝基-邻甲苯胺	99-55-8	0.1	0.2	
2E. Dyes-Carcionogenic or Equivalent Concern/ 致癌染料或涉及的同类	C.I. Direct Black 38/ C.I.直接黑 38	1937-37-7	500	10	Liquid Extraction LC/MS
	C.I. Direct Blue 6/ C.I.直接蓝 6	2602-46-2	500	10	
	C.I. Acid Red 26/ C.I.酸性红 26	3761-53-3	500	10	
	C.I. Basic Red 9/ C.I.碱性红 9	569-61-9	500	10	
	C.I. Direct Red 28/ C.I.直接红 28	573-58-0	500	10	
	C.I. Basic Violet 14/ C.I.碱性紫 14	632-99-5	500	10	
	C.I. Disperse Blue 1 / C.I.分散蓝 1	2475-45-8	500	10	
	C.I. Disperse Blue 3 / C.I.分散蓝 3	2475-46-9	500	10	
	C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) / C.I. 碱性蓝 26（米氏酮 > 0.1%）	2580-56-5	500	10	
	C.I. Basic Green 4 (malachite green chloride)/ C.I. 碱性绿 4(孔雀石绿氯化物)	569-64-2	500	10	
	C.I. Basic Green 4 (malachite green oxalate)/ C.I. 碱性绿 4(孔雀石绿草酸盐)	2437-29-8	500	10	
	C.I. Basic Green 4(malachite green)/ C.I. 碱性绿 4(孔雀石绿)	10309-95-2	500	10	
	Disperse Orange 11/分散橙 11	82-28-0	500	10	
2F. Dyes-disperse (sensitizing)/ 分散染料（致敏）	Disperse Yellow 1 /分散黄 1	119-15-3	50	2	Liquid Extraction LC/MS
	Disperse Blue 102 /分散蓝 102	12222-97-8	50	2	
	Disperse Blue 106 /分散蓝 106	12223-01-7	50	2	
	Disperse Yellow 39 /分散黄 39	12236-29-2	50	2	
	Disperse Orange 37/59/76 /	13301-61-6	50	2	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	分散橙 37/59/76				
	Disperse Brown 1 /分散棕 1	23355-64-8	50	2	
	Disperse Orange 1/分散橙 1	2581-69-3	50	2	
	Disperse Yellow 3/分散黄 3	2832-40-8	50	2	
	Disperse Red 11/分散红 11	2872-48-2	50	2	
	Disperse Red 1/分散红 1	2872-52-8	50	2	
	Disperse Red 17 /分散红 17	3179-89-3	50	2	
	Disperse Blue 7 /分散蓝 7	3179-90-6	50	2	
	Disperse Blue 26 /散蓝 26	3860-63-7	50	2	
	Disperse Yellow 49 /分散黄 49	54824-37-2	50	2	
	Disperse Blue 35 /分散蓝 35	12222-75-2	50	2	
	Disperse Blue 124 /分散蓝 124	61951-51-7	50	2	
	Disperse Yellow 9 /分散黄 9	6373-73-5	50	2	
	Disperse Orange 3 /分散橙 3	730-40-5	50	2	
	Disperse Blue 35 /分散蓝 35	56524-77-7	50	2	
2G. Flame Retardants/阻燃剂	Tris(2-chloroethyl) phosphate (TCEP)/ 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)/ 十溴联苯醚	1163-19-5	5	1	
	Tris(2,3-dibromopropyl) phosphate (TRIS/TDBPP)/ 三（2，3-二溴丙基）磷酸酯	126-72-7	5	1	
	Pentabromodiphenyl ether (PentaBDE)/ 五溴联苯醚	32534-81-9	5	1	
	Octabromodiphenyl ether (OctaBDE)/ 八溴联苯醚	32536-52-0	5	1	
	Bis(2,3-dibromopropyl) phosphate (BIS/BDBPP)/ 二（2，3-二溴丙基）磷酸酯	5412-25-9	5	1	
	Tris(aziridinyl)-phosphineoxide (TEPA)/ 三-(氮环丙基)-膦化氧	545-55-1	5	1	
	Polybromobiphenyls (PBBs)/ 多溴联苯	59536-65-1	5	1	
	Tetrabromobisphenol A (TBBPA)/ 四溴双酚 A	79-94-7	5	1	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	Hexabromocyclododecane (HBCDD)/ 六溴环十二烷	3194-55-6	5	1	
	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)/ 2,2-二(溴甲基)-1,3-丙二醇	3296-90-0	5	1	
	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)/ 三(1,3-二氯异丙基)磷酸酯	13674-87-8	5	1	
	Short chain chlorinated paraffins (SCCPs) (C10-C13)/ 短链氯化石蜡	85535-84-8	5	1	
2H. Glycols/乙二醇	Bis(2-methoxyethyl)-ether / 二甘醇二甲醚	111-96-6	50	10	US EPA 8270 Liquid Extraction 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/ 2-甲基丙醇乙酸酯	70657-70-4	50	10	
	Triethylene glycol dimethyl ether/三乙二醇二甲醚	112-49-2	50	10	
2I. Halogenated Solvents/卤化溶剂	1,2-Dichloroethane/ 1,2-二氯乙烷	107-06-2	1	2	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Methylene Chloride/二氯甲烷	75-09-2	1	2	
	Trichloroethylene/三氯乙烯	79-01-6	1	2	
	Tetrachloroethylene/四氯乙烯	127-18-4	1	2	
2J. Organotin Compounds/有机锡化合物	Mono-, di- and tri-methyltin derivatives/ 一,二,三-甲基锡衍生物	Multiple	0.01	0.2	ISO 17353 Derivatisation with NaB(C2H5) GC/MS
	Mono-, di- and tri-butyltin derivatives/ 一,二,三-丁基锡衍生物	Multiple	0.01	0.2	
	Mono-, di- and tri-phenyltin derivatives/ 一,二,三-苯基锡衍生物	Multiple	0.01	0.2	
	Mono-, di- and tri-octyltin derivatives/ 一,二,三-辛基锡衍生物	Multiple	0.01	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 报告检出限		Name of the testing method/测试方法名称
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	Monomethyltin 一甲基锡	Multiple	0.01	0.2	
	Dimethyltin 二甲基锡	Multiple	0.01	0.2	
	Trimethyltin 三甲基锡	Multiple	0.01	0.2	
	Monobutyltin(MBT)/单丁基锡	Multiple	0.01	0.2	
	Dibutyltin (DBT)/二丁基锡	Multiple	0.01	0.2	
	Tributyltin(TBT)/三丁基锡	Multiple	0.01	0.2	
	Monophenyltin 一苯基锡	Multiple	0.01	0.2	
	Diphenyltin (DPhT)/二苯基锡	Multiple	0.01	0.2	
	Triphenyltin(TPhT)/三苯基锡	Multiple	0.01	0.2	
	Monooctyltin(MOT)/一辛基锡	Multiple	0.01	0.2	
	Dioctyltin(DOT)/二辛基锡	Multiple	0.01	0.2	
	Trioctyltin (TOT)/三辛基锡	Multiple	0.01	0.2	
2K. Perfluorinated and Polyfluorinated Chemicals (PFCs)/ 全氟化合物和多氟化合物	Perfluorooctanesulfonic acid (PFOS)	355-46-4 ,432-50-7	0.01	0.10	DIN 38407-42 (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 esthers of phthalic acid) / 苯二甲酸盐（包括其他邻苯而甲酸醚类）	Di-2-ethylhexyl phthalate (DEHP)/邻苯二甲酸二（2-乙基已基酯）	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)/ 邻苯二甲酸二异葵酯	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	84-75-3	10	2	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	(DnHP)/ 邻苯二甲酸二己酯				
	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)/ 邻苯二甲酸二环己酯	84-61-7	10	2	
	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) /苯并芘	50-32-8	1	0.2	DIN 38407-39 Solvent extraction GC/MS
	Anthracene /蒽	120-12-7	1	0.2	
	Pyrene /芘	129-00-0	1	0.2	
	Benzo[ghi]perylene / 苯并[g,h,i] 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 /苊	208-96-8	1	0.2	

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			Wastewater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	
	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 /二氢苊	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 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	

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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 报告检出限		Name of the testing method/测试方法名称
			Wastewater (mg/L) / (ppm)	Sludge (mg/kg) / (ppm)	
1A. Conventional Parameters/常规参数	Temperature/温度	—	N/A	N/A	Apply the standard 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). Cyanide: With reference to APHA 4500 CN—B,C&E and followed by UV analysis
	TSS/总悬浮固体	—	N/A	N/A	
	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^{-1}] (436nm; 525nm; 620nm)/色度	—	N/A	N/A	
	BOD_5/五日生化需氧量	—	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	
	ANIONS				
	Cyanide(CN-)/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	
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 please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels (Foundational, Progressive, and Aspirational). 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	

Note / Key :
注释/要点：

ppm = part(s) per million/百万分之一
U. S. EPA = United States Environmental Protection Agency/美国环境保护署
APHA = American Public Health Association/美国公共卫生协会
N/A – Not Applicable/不适用

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APPENDIX C – Onsite Field Data Record Sheet 采样现场记录

	FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04 Issue Date: Version No.: 17 Business Line: Analytical

General Data

Laboratory Sample Number:	9322192184S
Client Name:	广兴(中山)环保印染有限公司
Field Contact Person:	珍 Phone No: 18923330763
Project (Facility Name and Address):	中山市黄圃镇大环工业区广兴路18号
Sampling Location / Description:	Incoming water
Sample Identification:	Zero discharge with sampling plan
Sample Type:	Composite Sample / Grab sample (Please delete as appropriate)
Name of Sampler:	YDY. MX.
Discharge mode:	Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant
Date of collection:	07/12/2022
Factory Type:	Dyeing / Printing / Washing / Finishing / Others (please specify):

*Note: It would be selected more than one

Field Data for Wastewater

Arrival Time:		10:20		Departure Time:		16:42			
Field Parameters		pH: 7.88		Temp: 27.8 °C		Color: transparent		Flow rate:	(volume/min)
Control No. of field equipment		AN-0630		AN-0500-618					
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		1001							
		1	2	3	4	5	6	7	8
Recording time	ID								
	Time	10:45							
pH:		7.88							
Temp (°C):		27.8							
Color (visual estimation):		transparent							
Flow rate (volume/time)									
Volume collected, mL									
Total volume collected		7L	Remark: Total volume collected must be greater than total of sample size required						

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)		Test required (✓)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	1. Phthalate	✓	1000 mL total or 1000 mL each	坐标 E: 113°21'49" N: 22°45'4"	
	2. Chlorobenzenes, Chlorotoluene & PAH	✓			
	3. SCCPs	✓			
	4. APS	✓			
5. APEOs		✓	100 mL		
6. Chlorophenols & Cresols		✓	100 mL		
7. Flame retardant		✓	500 mL		Without adding acid Store sample at 2-8°C
8. Dyes		✓	10 mL		
9. Glycol		✓	50 mL	Amber Glass,washed with nitric acid,	
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. UV absorbers			100		
16. BPA			2		
17. Preservatives			02		
18. VOC & Halogenated Solvents (Remark 6)		✓	10 mL		Fill to full container without air gap; acidify to pH 2 with HCl and store sample at 2-8°C
19. PFCs (Remark 0)		✓	2 mL	PE, washed with pesticide grade Acetone	Without adding acid Store sample at 2-8°C

CPSD-AN-00613-DATA 04-FIELD DATA RECORD ZDHC SAMPLING-V17 Page 1 of 4

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	FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04
		Issue Date:
		Version No.: 17
		Business Line: Analytical

Tests (Conventional Parameters)		Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	20. Total suspened solids (TSS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid,	Without adding acid Store sample at 2-8°C
	21. Total dissolved solids (TDS)				
22. 5-day Biochemical Oxygen Demand (BOD5)			1000 mL		
23. Colour			100 mL		
24. Heavy Metals except Cr(VI) & Total-P (Remark 5)		√	9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO_3 and store at 2-8°C
25. Cyanide			500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% $Na_2S_2O_3$, and store sample at 2-8°C
26. Cr(VI)		√	95 mL	Amber Glass; washed with nitric acid	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 2-8°C
27. Chemical oxygen demand (COD)			150 mL		Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
28. Phenols			500 mL		
29. Oil and Grease & Total Hydrocarbon			1000 mL		
30. *Formaldehyde			25 mL		Fill to full container without air gap; acidify to pH 2 with H_2SO_4 and store sample at 2-8°C
31. 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 Store sample at 2-6°C
32.E.coli (Remark 6)			125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% $Na_2S_2O_3$, keep in dark Store sample at 2-8°C
33. Persistent foam			N.A.	Foam higher than 45 cm (visual estimation): ___Yes / No___	
34. Sulfite			100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA Store sample at 2-8°C
35. Total-N			100 mL	Amber Glass,washed with nitric acid;	Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
36. Ammonium-N			500 mL		
37. Adsorbable organically bound halogens (AOX)			100 mL		Acidify to pH 2 with HNO_3 and store at 2-8°C
38. Acute aquatic toxicity: Luminus Bacteria; Fish Egg; Daphne; Alaga;			1000 mL		Without adding acid Store sample at 2-8°C
39. Sulphate			100 mL		
40. Chloride			100 mL		
41. Conductivity			100 mL		
42. Dissolved oxygen (DO)			N.A.	measure in field	
43. Total Chlorine			N.A.		
44. Others:					
Observation/ Remark:					

*Remarks:

1.Individual sampling can be performed upon request

2. The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.

3. Scope of ZDHC guideline: Parameter 1-9, 12, 14-29, 31-37, 39-43

Scope of synthetic rather industry: Parameter 1-9, 12, 14-24, 26-29, 31-33, 35, 36, 39, 40

Scope of MMCF: Parameter 5, 15, 20, 22-24, 26-29, 31, 35-36

Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guidline, they are tested upon request.

4. Refer to CPSD-AN-G00019-STP01, locations with those CPSD test capability inside TCD matrix can perform the combined test.

5. Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.

6. Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by: 乐森铃 黄耀晨 Date: 07/12/2022

Full name:

Comment from factory: 8F14650203 8F14650204

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: 吴强 Date: Dec. 7. 12.

Full Name:

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	FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04 Issue Date: Version No.: 17 Business Line: Analytical

General Data

Laboratory Sample Number:	932219218 49
Client Name:	广光(中山)精密印刷有限公司
Field Contact Person:	陈 Phone No: 18923300763
Project (Facility Name and Address):	中山市黄圃镇大雁工业区广兴路18号
Sampling Location / Description:	Wastewater before treatment
Sample Identification:	Zero discharge with sampling plan
Sample Type:	Composite Sample / Grab sample (Please delete as appropriate)
Name of Sample:	YDY. mx
Discharge mode:	Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant
Date of collection:	07/12/2022
Factory Type:	Dyeing / Printing / Washing / Finishing / Others (please specify):

*Note: It would be selected more than one

Field Data for Wastewater

Arrival Time:		10:20		Departure Time:		16:40			
Field Parameters		pH: /		Temp: / °C		Color: Blue		Flow rate:	(volume/min)
Control No. of field equipment		AW-0630		AW-0300-E18					
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		1002							
		1	2	3	4	5	6	7	8
Recording time	ID								
	Time	10:22	11:23	12:20	13:21	14:20	15:22	16:27	
pH:		11.88	11.98	12.40	12.34	12.28	12.27	12.25	
Temp (°C):		38.5	40.0	37.1	40.8	40.7	40.6	40.3	
Color (visual estimation):		black	blue	blue	blue	blue	blue	blue	
Flow rate (volume/time)									
Volume collected, mL									
Total volume collected		8L	Remark: Total volume collected must be greater than total of sample size required						

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)		Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	1. Phthalate	✓	1000 mL total or 1000 mL each	坐标 E: 113°21'50" N: 22°45'4"	
	2. Chlorobenzenes, Chlorotoluene & PAH	✓			
	3. SCCPs	✓			
	4. APS	✓			
5. APEOs		✓	100 mL		
6. Chlorophenols & Cresols		✓	100 mL		
7. Flame retardant		✓	500 mL		Without adding acid Store sample at 2-8°C
8. Dyes		✓	10 mL		
9. Glycol		✓	50 mL	Amber Glass,washed with nitric acid,	
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. UV absorbers			100		
16. EPA			2		
17 Preservatives			62		
18. VOC & Halogenated Solvents (Remark 6)		✓	10 mL		Fill to full container without air gap; acidify to pH 2 with HCl and store sample at 2-6°C
19. PFCs (Remark 8)		✓	2 mL	PE, washed with pesticide grade Acetone	Without adding acid Store sample at 2-6°C

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FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04
	Issue Date:
	Version No.: 17
	Business Line: Analytical

Tests (Conventional Parameters)		Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or individual test (Remark 4)	20. Total suspened solids (TSS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid,	Without adding acid Store sample at 2-8°C
	21. Total dissolved solids (TDS)				
22. 5-day Biochemical Oxygen Demand (BOD5)			1000 mL		
23. Colour			100 mL		
24. Heavy Metals except Cr(VI) & Total-P (Remark 6)		✓	9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO_3 and store at 2-8°C
25. Cyanide			500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% $Na_2S_2O_3$, and store sample at 2-8°C
26. Cr(VI)		✓	95 mL	Amber Glass; washed with nitric acid	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 2-8°C
27. Chemical oxygen demand (COD)			150 mL		Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
28. Phenols			500 mL		
29. Oil and Grease & Total Hydrocarbon			1000 mL		
30. *Formaldehyde			25 mL		Fill to full container without air gap; acidify to pH 2 with H_2SO_4 and store sample at 2-8°C
31. 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 Store sample at 2-8°C
32.E coli (Remark 6)			125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% $Na_2S_2O_3$,keep in dark Store sample at 2-8°C
33. Persistent foam			N.A.	Foam higher than 45 cm (visual estimation): Yes / No	
34. Sulfite			100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA Store sample at 2-8°C
35. Total-N			100 mL	Amber Glass;washed with nitric acid;	Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
36. Ammonium-N			500 mL		
37. Adsorbable organically bound halogens (AOX)			100 mL		Acidify to pH 2 with HNO_3 and store at 2-8°C
38. Acute aquatic toxicity: Luminus Bacteria; Fish Egg; Daphne; Alage;			1000 mL		
39. Sulphate			100 mL		Without adding acid Store sample at 2-8°C
40. Chloride			100 mL		
41. Conductivity			100 mL		
42. Dissolved oxygen (DO)			N.A.	measure in field	
43. Total Chlorine			N.A.		
44. Others:					
Observation/ Remark:					

*Remarks:

1.Individual sampling can be performed upon request

2. The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.

3. Scope of ZDHC guideline: Parameter 1-9, 12, 14-29, 31-37, 39-43

Scope of synthetic leather industry: Parameter 1-9, 12, 14-24, 26-29, 31-33, 35, 36, 39, 40

Scope of MMCF: Parameter 5, 18, 20, 22-24, 26-29, 31, 35-39

Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guidline, they are tested upon request.

4. Refer to CPSD-AN-G00019-STIP01, locations with those CPSD test capability inside TCD matrix can perform the combined test.

5. Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.

6. Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by: 朱森铨 黄耀基 Date: 07/12/2022

Full name:

Comment from factory: 8F14650720 3 8F14680720 4

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 desinated 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: Date: 2022. 7. 12.

Full Name:

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FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04
	Issue Date:
	Version No.: 17
	Business Line: Analytical

General Data

Laboratory Sample Number:	9322192 1849
Client Name:	广兴(中山)[illegible]印染有限公司
Field Contact Person:	[illegible] Phone No: 18923300763
Project (Facility Name and Address):	中山市[illegible]镇[illegible]工业区[illegible] 18号
Sampling Location / Description:	Wastewater after treatment
Sample Identification:	Zero discharge with sampling plan
Sample Type:	Composite Sample / Grab sample (Please delete as appropriate)
Name of Sampler:	YDY, MX
Discharge mode:	Direct discharge to environment (Specify destination: River, Sea, Stream, ..) OR Indirect discharge to sewage treatment plant
Date of collection:	07/12/2022
Factory Type:	Dyeing / Printing / Washing / Finishing / Others (please specify): 如：[illegible]水道
	*Note: It would be selected more than one 日排：2500m³/d

Field Data for Wastewater

Arrival Time:	10:07		Departure Time:		16:42			
Field Parameters	pH: —		Temp: — °C		Color: transparent		Flow rate: (volume/min)	
Control No. of field equipment	AN-0630		AN-0380-E18					
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	J003							
	1	2	3	4	5	6	7	8
Recording time — ID	WB. YDY. 7/12/2022							
Recording time — Time 10:15	10:45	11:10	12:12	13:10	14:13	15:09	16:10	
pH: 7.82	7.92	7.91	7.94	7.89	7.86	7.59	7.78	
Temp (°C): 34.4	34.8	34.7	34.8	35.9	36.4	33.4	23.9	
Color (visual estimation):	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	
Flow rate (volume/time)								
Volume collected, mL								
Total volume collected	18L	Remark: Total volume collected must be greater than total of sample size required						

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)		Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or individual test (Remark 4)	1. Phthalate	✓	1000 mL total or 1000 mL each	坐标 E: 113°21'49" N: 22°44'57"	
	2. Chlorobenzenes, Chlorotoluene & PAH	✓			
	3. SCCPs	✓			
	4. APS	✓			
5. APEOs		✓	100 mL		
6. Chlorophenols & Cresols		✓	100 mL		
7. Flame retardant		✓	500 mL		Without adding acid Store sample at 2-8°C
8. Dyes		✓	10 mL		
9. Glycol		✓	50 mL	Amber Glass washed with nitric acid.	
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. UV absorbers			100		
16. BPA			2		
17 Preservatives			52		
18. VOC & Halogenated Solvents (Remark 6)		✓	10 mL		Fill to full container without air gap; acidify to pH 2 with HCl and store sample at 2-8°C
19. PFCs (Remark 6)		✓	2 mL	PE washed with pesticide grade Acetone	Without adding acid Store sample at 2-8°C

CPSD-AN-00613-DATA 04-FIELD DATA RECORD ZDHC SAMPLING-V17 Page 1 of 4

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Technical Report: **(9322)192-1849**
Jul 28, 2022

FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04
	Issue Date: [illegible]
	Version No.: 17
	Business Line: Analytical

Tests (Conventional Parameters)		Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or individual test (Remark 4)	20. Total suspened solids (TSS)	✓	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid,	Without adding acid Store sample at 2-8°C
	21. Total dissolved solids (TDS)				
22. 5-day Biochemical Oxygen Demand (BOD5)		✓	1000 mL		
23. Colour		✓	100 mL		
24. Heavy Metals except Cr(VI) & Total-P (Remark 6)		✓	9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO_3 and store at 2-8°C
25. Cyanide		✓	500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% $Na_2S_2O_3$, and store sample at 2-8°C
26. Cr(VI)		✓	95 mL	Amber Glass; washed with nitric acid	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 2-8°C
27. Chemical oxygen demand (COD)		✓	150 mL		Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
28. Phenols		✓	500 mL		
29. Oil and Grease & Total Hydrocarbon		✓	1000 mL		
30. *Formaldehyde			25 mL		Fill to full container without air gap; acidify to pH 2 with H_2SO_4 and store sample at 2-8°C
31. 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 Store sample at 2-8°C
32.E.coli (Remark 6)			125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% Na2S2O3 ,keep in dark Store sample at 2-8°C
33. Persistent foam		✓	N.A.	Foam higher than 45 cm (visual estimation): Yes / No	
34. Sulfite		✓	100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA Store sample at 2-8°C
35. Total-N		✓	100 mL	Amber Glass washed with nitric acid;	Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
36. Ammonium-N		✓	500 mL		
37. Adsorbable organically bound halogens (AOX)		✓	100 mL		Acidify to pH 2 with HNO_3 and store at 2-8°C
38. Acute aquatic toxicity: Luminus Bacteria; Fish Egg; Daphne; Alage;			1000 mL		Without adding acid Store sample at 2-8°C
39. Sulphate			100 mL		
40. Chloride			100 mL		
41. Conductivity			100 mL		
42. Dissolved oxygen (DO)			N.A.	measure in field	
43. Total Chlorine			N.A.		
44. Others: Total coli		✓			
Observation/ Remark:					

*Remarks:

1.Individual sampling can be performed upon request

2. The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.

3. Scope of ZDHC guideline: Parameter 1-1, 12, 14-29, 31-37, 39-43

Scope of synthetic leather industry: Parameter 1-9, 12, 14-24, 26-29, 31-33, 35, 36, 39, 40

Scope of MMCF: Parameter 5, [illegible] 20, 23-24, 26-29, 31, 35-36

Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guidline, they are tested upon request.

4. Refer to CPSD-AN-G00019-STIP01, loactions with these CPSD test capability inside TCD matrix can perform the combined test.

5. Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.

6. Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by: [illegible] [illegible] Date: 07/12/2022

Full name: 8F14650[203 8714650704

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: [illegible] Date: 2022.7.12

Full Name:

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