



TEST REPORT

Technical Report/技术报告: (9321)263-1673

Date Received 收到时间:

Sep 22, 2021

2021 年 09 月 22 日

Oct 08, 2021

Page 1 of 32

Factory Company Name:

公司名称:

Factory Address:

公司地址:

Project No.:

项目编号:

Client Reference No.:

客户编号:

Sampling Method:

采样方法:

Sample Pick Up Date:

采样时间:

Wastewater Discharge to:

污水排放至:

On-Site Effluent Treatment Plant

(ETP): 是否有内部污水厂:

Discharge Type:

排放类型:

Off-site ETP name (if

applicable):

外部污水处理厂名称(如适用):

Off-site ETP address (if

applicable):

外部污水处理厂地址(如适用):

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:

Permit Validation Date:

许可证生效日期:

Parameters Exceeded Local

Regulation :

超过当地标准参数:

Legal compliance:

法律合规性:

Conventional Parameters Overall

Category:

常规参数总体级别:

Test Period:

测试周期:

Sample Description:

样品描述:

Parameters exceeded maximum
holding time:

超过最大保留时间参数:

Kai Ping Panther Textiles Co.,Ltd

开平奔达纺织有限公司

No.21 Mei Hua Road Shui Kou Town, Kai Ping City Guangdong Province, China

广东省开平市水口镇美华路 21 号

N/A

不适用

N/A

不适用

I001) Incoming water 进水 – Grab 抓取

I002) Raw Wastewater 原废水– 6 hours - Time – weighted Composite 六小时加权

I003) Treated Wastewater 处理过的废水– 6 hours - Time – weighted Composite 六小时加权

Sep 22, 2021

2021 年 09 月 22 日

Nearby river or waterbody – Tanjiang

附近河流或水体 – 潭江

Yes

是

Direct Discharge

直接排放

N/A

不适用

N/A

不适用

GB 4287-2012

Dec 28, 2020

2020 年 12 月 28 日

N/A

不适用

Comply

符合

Foundational

基础水平

Sep 22, 2021 to Oct 08, 2021

2021 年 09 月 22 日至 2021 年 10 月 08 日

I001) Transparent liquid 透明液体 – Incoming water 进水

I002) Grey liquid 灰色液体 – Raw Wastewater 原废水

I003) Transparent liquid 透明液体- Treated Wastewater 处理过的废水

N/A

不适用

**Bureau Veritas Consumer Products Services
(Guangzhou) Co., Ltd**

No. 183, Shinan Road, Meilin Plaza, Dongchong, Nansha,

Guangzhou, Guangdong Province, China 511453

Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303

Email: BVCPS_pyinfo@cn.bureauveritas.com

Website: cps.bureauveritas.com

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

The content of this PDF file is in accordance with the original issued reports for reference only.

This Test Report cannot be reproduced, except in full, without prior written permission of the company.



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 2 of 32

REMARK/备注

If there are questions or concerns on this report, please contact:
若有任何疑问或咨询, 请联络:

(86)20-22902088

bvcps_pyinfo@bureauveritas.com

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.

NINA REN
SENIOR MANAGER



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			☐
ANIONS – Sulfide 阴离子-硫化物			☐
ANIONS – Sulfite 阴离子-亚硫酸盐			☐
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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 4 of 32

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), 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 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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 5 of 32

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	32.7 (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 毫克/升	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	14 (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: 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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 6 of 32

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	2.75 (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 ISO 10523-2012
测试方法 参考 ISO 10523-2012

-	Unit	Result
Test Item(s) 测试项目	-	I003
Parameter 参数	-	-
Temp. of sample 样品温度	deg. C	32.7
pH value of sample 样品酸碱度	-	7.59 (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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 7 of 32

Biochemical Oxygen Demand (BOD₅)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	2.4 (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: 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	0.246 (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: 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	0.27 (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: 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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 8 of 32

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	<0.024 (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	0.15 (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	0.0085 (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: 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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 9 of 32

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	230 (Foundational /基础水平)	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 (Wastewater)
测试方法 参考 HJ 484-2009 (废水)

Tested Item(s) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	<0.02 (Aspirational/最佳水平)	mg/L	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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 10 of 32

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) 测试项目	Result 结果	Unit 单位	Conclusion 结论
I003	0.010 (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
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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 11 of 32

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) Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	0.008	0.002	ND (Aspirational)
Chromium(Cr), total Foundational Limit: 0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L	0.017	0.028	0.005 (Aspirational)
Cobalt(Co) Foundational Limit:0.05 mg/L; Progressive Limit: 0.02 mg/L; Aspirational Limit: 0.01 mg/L	ND	ND	ND (Aspirational)
Copper(Cu) Foundational Limit: 1 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.25 mg/L	0.035	0.045	0.006 (Aspirational)
Nickel (Ni) Foundational Limit:0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L	0.005	0.012	0.003 (Aspirational)
Silver (Ag) Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.005 mg/L	ND	ND	ND (Aspirational)
Zinc(Zn) Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.5 mg/L	0.091	0.176	0.158 (Aspirational)
Arsenic (As) Foundational Limit: 0.05 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.005 mg/L	0.002	0.002	ND (Aspirational)
Cadmium(Cd) Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	0.0008	0.0002	ND (Aspirational)
Chromium VI(CrVI) Foundational Limit: 0.05 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit: 0.001 mg/L	ND	ND	ND (Aspirational)
Lead(Pb) Foundational Limit:0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L	0.003	0.013	ND (Aspirational)
Mercury (Hg) Foundational Limit: 0.01 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit :0.001 mg/L	0.00035	0.00017	ND (Aspirational)



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 12 of 32

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-

APPENDIX A - Photo of the Sample/ Sampling Location

样品照片/取样地照片

I001) Sampling Point

取样点

N 22° 23' 10"

E 112° 43' 03"



I001) Sampling Point Surrounding Environment

取样点周围环境

N 22° 23' 10"

E 112° 43' 03"



I001) All sampled bottles with label

全部带标签的取样瓶

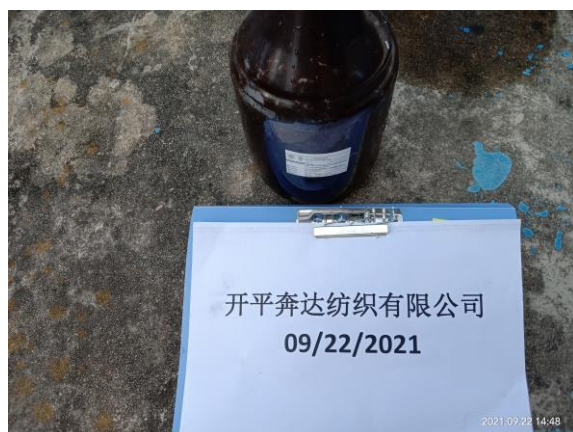


I001) pH value

pH 值



I001) Sample for Phthalate Testing
邻苯测试样品



I001) Packaging
包装



I002) Sampling Point
取样点
N 22° 23' 07"
E 112° 43' 01"



I002) Sampling Point Surrounding Environment
取样点周围环境
N 22° 23' 07"
E 112° 43' 01"



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



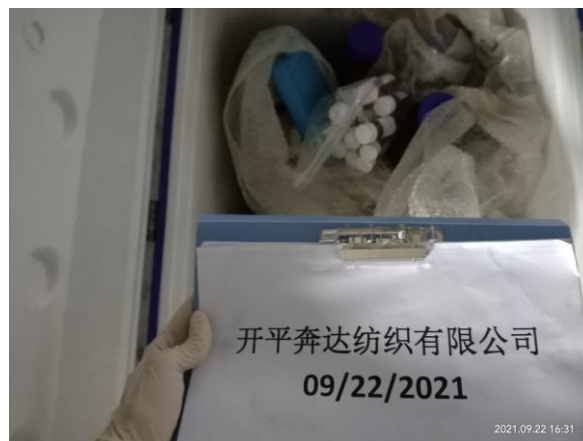
I002) pH value
pH 值



I002) Sample for Phthalate Testing
邻苯测试样品



I002) Packaging
包装



I003) Sampling Point

取样点

N 22° 23' 10"

E 112° 43' 02"



I003) Sampling Point Surrounding Environment

取样点周围环境

N 22° 23' 10"

E 112° 43' 02"



I003) All sampled bottles with label

全部带标签的取样瓶



I003) pH value

pH 值



I003) Sample for Phthalate Testing
邻苯测试样品



I003) Packaging
包装





Technical Report:

(9321)263-1673

Oct 08, 2021

Page 18 of 32

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	0.2	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	0.2	
	Octylphenol ethoxylates (OPEO)/辛基酚乙烯醚	Various (incl. 9002-93-1, 9036-19-5, 68987-90-6)	5	0.2	OPEO/NPEO: ISO18857-2 or ASTM D7065(LC/MS; GC/MS or LC/MSMS for n=1,2) 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	0.2	
2B. Chlorobenzenes and Chlorotoluenes/氯化苯和氯甲苯	Monochlorobenzene/一氯苯	108-90-7	0.2	0.1	USEPA 8260B,8270D. Dichloromethane extraction followed by GC/MS
	1,2-Dichlorobenzene/1,2-二氯苯	95-50-1	0.2	0.1	
	1,3-Dichlorobenzene / 1,3-二氯苯	541-73-1	0.2	0.1	
	1,4-Dichlorobenzene / 1,4-二氯苯	106-46-7	0.2	0.1	
	1,2,3-Trichlorobenzene / 1,2,3-三氯苯	87-61-6	0.2	0.1	
	1,2,4-Trichlorobenzene / 1,2,4-三氯苯	120-82-1	0.2	0.1	
	1,3,5-Trichlorobenzene / 1,3,5-三氯苯	108-70-3	0.2	0.1	
	1,2,3,4-Tetrachlorobenzene/ 1,2,3,4-四氯苯	634-66-2	0.2	0.1	
	1,2,3,5-Tetrachlorobenzene/ 1,2,3,5-四氯苯	634-90-2	0.2	0.1	
	1,2,4,5-Tetrachlorobenzene/ 1,2,4,5-四氯苯	95-94-3	0.2	0.1	
	Pentachlorobenzene 五氯苯	608-93-5	0.2	0.1	
	Hexachlorobenzene/ 六氯苯	118-74-1	0.2	0.1	
	2-Chlorotoluene /2-氯甲苯	95-49-8	0.2	0.1	
	3-Chlorotoluene /3-氯甲苯	108-41-8	0.2	0.1	
	4-Chlorotoluene /4-氯甲苯	106-43-4	0.2	0.1	
	2,3-Dichlorotoluene / 2,3-二氯甲苯	32768-54-0	0.2	0.1	
	2,4-Dichlorotoluene / 2,4-二氯甲苯	95-73-8	0.2	0.1	
	2,5-Dichlorotoluene/ 2,5-二氯甲苯	19398-61-9	0.2	0.1	
	2,6-Dichlorotoluene / 2,6-二氯甲苯	118-69-4	0.2	0.1	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 19 of 32

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)	
	3,4-Dichlorotoluene / 3,4-二氯甲苯	95-75-0	0.2	0.1	
	3,5-Dichlorotoluene/ 3,5-二氯甲苯	25186-47-4	0.2	0.1	
	2,3,4-Trichlorotoluene / 2,3,4-三氯甲苯	7359-72-0	0.2	0.1	
	2,3,6-Trichlorotoluene / 2,3,6-三氯甲苯	2077-46-5	0.2	0.1	
	2,4,5-Trichlorotoluene / 2,4,5-三氯甲苯	6639-30-1	0.2	0.1	
	2,4,6-Trichlorotoluene / 2,4,6-三氯甲苯	23749-65-7	0.2	0.1	
	3,4,5-Trichlorotoluene / 3,4,5-三氯甲苯	21472-86-6	0.2	0.1	
	2,3,4,5-Tetrachlorotoluene 2,3,4,5-四氯甲苯	76057-12-0	0.2	0.1	
	2,3,5,6-Tetrachlorotoluene / 2,3,5,6-四氯甲苯	29733-70-8	0.2	0.1	
	2,3,4,6-Tetrachlorotoluene / 2,3,4,6-四氯甲苯	875-40-1	0.2	0.1	
	Pentachlorotoluene/五氯甲苯	877-11-2	0.2	0.1	
2C. Chlorophenols/ 氯酚	2-Chlorophenol/2-氯苯酚	95-57-8	0.5	0.025	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	0.025	
	4-Chlorophenol/4-氯苯酚	106-48-9	0.5	0.025	
	2,3-Dichlorophenol/2,3-二氯苯酚	576-24-9	0.5	0.025	
	2,4-Dichlorophenol/2,4-二氯苯酚	120-83-2	0.5	0.025	
	2,5-Dichlorophenol/ 2,5-二氯苯酚	583-78-8	0.5	0.025	
	2,6-Dichlorophenol/ 2,6-二氯苯酚	87-65-0	0.5	0.025	
	3,4-Dichlorophenol/3,4-二氯苯酚	95-77-2	0.5	0.025	
	3,5-Dichlorophenol/3,5-二氯苯酚	591-35-5	0.5	0.025	
	2,3,4-Trichlorophenol/ 2,3,4-三氯苯酚	15950-66-0	0.5	0.025	
	2,3,5-Trichlorophenol/ 2,3,5-三氯苯酚	933-78-8	0.5	0.025	
	2,3,6-Trichlorophenol/ 2,3,6-三氯苯酚	933-75-5	0.5	0.025	
	2,4,5-Trichlorophenol/ 2,4,5-三氯苯酚	95-95-4	0.5	0.025	
	2,4,6-Trichlorophenol/ 2,4,6-三氯苯酚	88-06-2	0.5	0.025	
	3,4,5-Trichlorophenol/ 3,4,5-三氯苯酚	609-19-8	0.5	0.025	
	2,3,4,5-Tetrachlorophenol/	4901-51-3	0.5	0.025	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 20 of 32

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)	
	2,3,4,5-四氯苯酚				
	2,3,4,6-Tetrachlorophenol/ 2,3,4,6-四氯苯酚	58-90-2	0.5	0.025	
	2,3,5,6-Tetrachlorophenol 2,3,5,6-四氯苯酚	935-95-5	0.5	0.025	
	Pentachlorophenol (PCP)/ 五氯苯酚	87-86-5	0.5	0.025	
2D. Dyes - Azo (Forming Restricted Amines)/ 偶氮染料 (形成限制胺类)	4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.1	EN 14362. Reduction step with Sodiumdithionite, solvent extraction, GC/MS or LC/MS
	4,4'-methylenedianiline	101-77-9	0.1	0.1	
	4,4'-Oxydianiline	101-80-4	0.1	0.1	
	4-Chloroaniline	106-47-8	0.1	0.1	
	3,3'-Dimethoxybenzidine	119-90-4	0.1	0.1	
	3,3'-Dimethylbenzidine	119-93-7	0.1	0.1	
	6-methoxy-m-toluidine (p-Cresidine)	120-71-8	0.1	0.1	
	2,4,5-Trimethylaniline	137-17-7	0.1	0.1	
	4,4'-Thiodianiline	139-65-1	0.1	0.1	
	4-Aminoazobenzene	60-09-3	0.1	0.1	
	4-Methoxy-m-phenylenediamine	615-05-4	0.1	0.1	
	4,4'-Methylene-di-o-toluidine	838-88-0	0.1	0.1	
	2,6-Xylidine	87-62-7	0.1	0.1	
	o-Anisidine	90-04-0	0.1	0.1	
	2-Naphthylamine	91-59-8	0.1	0.1	
	3,3'-Dichlorobenzidine	91-94-1	0.1	0.1	
	4-Aminodiphenyl	92-67-1	0.1	0.1	
	Benzidine	92-87-5	0.1	0.1	
	o-Toluidine	95-53-4	0.1	0.1	
	2,4-Xylidine	95-68-1	0.1	0.1	
	4-Chloro-o-toluidine	95-69-2	0.1	0.1	
	4-Methyl-m-phenylenediamine	95-80-7	0.1	0.1	
	o-Aminoazotoluene	97-56-3	0.1	0.1	
	5-nitro-o-toluidine	99-55-8	0.1	0.1	
2E. Dyes- Carcinogenic 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	1	Liquid Extraction LC/MS
	C.I. Direct Blue 6/ C.I.直接蓝 6	2602-46-2	500	1	
	C.I. Acid Red 26/ C.I.酸性红 26	3761-53-3	500	1	
	C.I. Basic Red 9/ C.I.碱性红 9	569-61-9	500	1	
	C.I. Direct Red 28/ C.I.直接红 28	573-58-0	500	1	
	C.I. Basic Violet 14/ C.I.碱性紫 14	632-99-5	500	1	
	C.I. Disperse Blue 1 / C.I.分散蓝 1	2475-45-8	500	1	
	C.I. Disperse Blue 3 / C.I.分散蓝 3	2475-46-9	500	1	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 21 of 32

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)	
	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	1	
	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	1	
	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	1	
	C.I. Basic Green 4(malachite green)/ C.I. 碱性绿 4(孔雀石绿)	10309-95-2	500	1	
	Disperse Orange 11/分散橙 11	82-28-0	500	1	
2F. Dyes-disperse (sensitizing)/ 分散染料 (致敏)	Disperse Yellow 1 /分散黄 1	119-15-3	50	1	Liquid Extraction LC/MS
	Disperse Blue 102 /分散蓝 102	12222-97-8	50	1	
	Disperse Blue 106 /分散蓝 106	12223-01-7	50	1	
	Disperse Yellow 39 /分散黄 39	12236-29-2	50	1	
	Disperse Orange 37/59/76 / 分散橙 37/59/76	13301-61-6	50	1	
	Disperse Brown 1 /分散棕 1	23355-64-8	50	1	
	Disperse Orange 1/分散橙 1	2581-69-3	50	1	
	Disperse Yellow 3/分散黄 3	2832-40-8	50	1	
	Disperse Red 11/分散红 11	2872-48-2	50	1	
	Disperse Red 1/分散红 1	2872-52-8	50	1	
	Disperse Red 17/分散红 17	3179-89-3	50	1	
	Disperse Blue 7 /分散蓝 7	3179-90-6	50	1	
	Disperse Blue 26 /分散蓝 26	3860-63-7	50	1	
	Disperse Yellow 49 /分散黄 49	54824-37-2	50	1	
	Disperse Blue 35 /分散蓝 35	12222-75-2	50	1	
	Disperse Blue 124 /分散蓝 124	61951-51-7	50	1	
	Disperse Yellow 9 /分散黄 9	6373-73-5	50	1	
	Disperse Orange 3 /分散橙 3	730-40-5	50	1	
	Disperse Blue 35 /分散蓝 35	56524-77-7	50	1	
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	32536-52-0	5	1	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 22 of 32

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)	
	(OctaBDE)/ 八溴联苯醚				
	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	
	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	Bis(2-methoxyethyl)-ether / 二甘醇二甲醚	111-96-6	50	5	US EPA 8270 Liquid Extraction LC/MS
	2-ethoxyethanol / 乙二醇单乙醚	110-80-5	50	5	
	2-ethoxyethyl acetate / 乙二醇乙醚醋酸酯	111-15-9	50	5	
	Ethylene glycol dimethyl ether/ 乙二醇二甲醚	110-71-4	50	5	
	2-methoxyethanol / 乙二醇甲醚	109-86-4	50	5	
	2-methoxyethylacetate / 乙二醇甲醚乙酸酯	110-49-6	50	5	
	2-methoxypropylacetate/ 2-甲基丙醇乙酸酯	70657-70-4	50	5	
	Triethylene glycol dimethyl ether/三乙二醇二甲醚	112-49-2	50	5	
2I. Halogenated Solvents/卤化溶剂	1,2-Dichloroethane/ 1,2-二氯乙烷	107-06-2	1	1	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Methylene Chloride/二氯甲烷	75-09-2	1	1	
	Trichloroethylene/三氯乙烯	79-01-6	1	1	
	Tetrachloroethylene/四氯乙烯	127-18-4	1	1	
2J. Organotin Compounds/有机锡	Mono-, di- and tri-methyltin derivatives/ 一,二,三-甲基锡衍生物	Multiple	0.01	0.1	ISO 17353 Derivatisation with NaB(C ₂ H ₅) GC/MS



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 23 of 32

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)	
化合物	Mono-, di- and tri-butyltin derivatives/ 一,二,三-丁基锡衍生物	Multiple	0.01	0.1	
	Mono-, di- and tri-phenyltin derivatives/ 一,二,三-苯基锡衍生物	Multiple	0.01	0.1	
	Mono-, di- and tri-octyltin derivatives/ 一,二,三-辛基锡衍生物	Multiple	0.01	0.1	
	Monomethyltin 一甲基锡	Multiple	0.01	0.1	
	Dimethyltin 二甲基锡	Multiple	0.01	0.1	
	Trimethyltin 三甲基锡	Multiple	0.01	0.1	
	Monobutyltin(MBT)/单丁基锡	Multiple	0.01	0.1	
	Dibutyltin (DBT)/二丁基锡	Multiple	0.01	0.1	
	Tributyltin(TBT)/三丁基锡	Multiple	0.01	0.1	
	Monophenyltin 一苯基锡	Multiple	0.01	0.1	
	Diphenyltin (DPhT)/二苯基锡	Multiple	0.01	0.1	
	Triphenyltin(TPhT)/三苯基锡	Multiple	0.01	0.1	
	Monooctyltin(MOT)/一辛基锡	Multiple	0.01	0.1	
	Diocetyl tin(DOT)/二辛基锡	Multiple	0.01	0.1	
	Triocetyl tin (TOT)/三辛基锡	Multiple	0.01	0.1	
2K. Perfluorinated and Polyfluorinated Chemicals (PFCs)	Perfluorooctanesulfonic acid (PFOS)	355-46-4 ,432-50-7	0.01	0.05	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	0.05	
	Perfluorobutanesulfonic acid (PFBS)/全氟丁基磺酸	29420-49-3, 29420-43-3	0.01	0.05	
	Perfluoro-n-hexanoic acid (PFHxA) / 全氟己酸	307-24-4	0.01	0.05	
	8:2 FTOH/8:2-全氟辛基乙醇	678-39-7	1	0.5	
	6:2 FTOH/6: 2-全氟乙醇	647-42-7	1	0.5	
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	1	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	1	
	Di-n-octyl phthalate (DNOP)/ 邻苯二甲酸二辛酯	117-84-0	10	1	
	Di-iso-decyl phthalate (DIDP)/ 邻苯二甲酸二异癸	26761-40-0	10	1	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 24 of 32

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)	
	酯				
	Di-iso-nonyl phthalate (DINP)/ 邻苯二甲酸二异壬酯	28553-12-0	10	1	
	Di-n-hexyl phthalate (DnHP)/ 邻苯二甲酸二己酯	84-75-3	10	1	
	Dibutyl phthalate (DBP)/ 邻苯二甲酸二丁酯	84-74-2	10	1	
	Butyl benzyl phthalate (BBP)/ 邻苯二甲酸丁苄酯	85-68-7	10	1	
	Dinonyl phthalate (DNP)/ 邻苯二甲酸二壬酯	84-76-4	10	1	
	Diethyl phthalate (DEP)/ 邻苯二甲酸二乙酯	84-66-2	10	1	
	Di-n-propyl phthalate (DPRP)/ 邻苯二甲酸二丙酯	131-16-8	10	1	
	Di-iso-butyl phthalate (DIBP)/ 邻苯二甲酸二异丁酯	84-69-5	10	1	
	Di-cyclohexyl phthalate (DCHP)/ 邻苯二甲酸二环己酯	84-61-7	10	1	
	Di-iso-octyl phthalate (DIOP)/ 邻苯二甲酸二异辛酯	27554-26-3	10	1	
	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	1	
	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	1	
2M. Poly Aromatic Hydrocarbons (PAHs) /多环芳香烃	Benzo[a]pyrene (BaP) /苯并[a]芘	50-32-8	1	1	DIN 38407-39 Solvent extraction GC/MS
	Anthracene /蒽	120-12-7	1	1	
	Pyrene /芘	129-00-0	1	1	
	Benzo[ghi]perylene /苯并[ghi]芘	191-24-2	1	1	
	Benzo[e]pyrene /苯并[e]芘	192-97-2	1	1	
	Indeno[1,2,3-cd]pyrene /茚并[1,2,3-cd]芘	193-39-5	1	1	
	Benzo[j]fluoranthene /苯并[j]荧蒽	205-82-3	1	1	
	Benzo[b]fluoranthene /苯并[b]荧蒽	205-99-2	1	1	
	Fluoranthene /荧蒽	206-44-0	1	1	
	Benzo[k]fluoranthene /	207-08-9	1	1	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 25 of 32

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)	
	并[k]蒽				
	Acenaphthylene /蒈	208-96-8	1	1	
	Chrysene /屈	218-01-9	1	1	
	Dibenz[a,h]anthracene /二苯并[a, h] 蒽	53-70-3	1	1	
	Benzo[a]anthracene/苯并[a] 蒽	56-55-3	1	1	
	Acenaphthene /二氢蒈	83-32-9	1	1	
	Phenanthrene /菲	85-01-8	1	1	
	Fluorene /茚	86-73-7	1	1	
	Naphthalene /萘	91-20-3	1	1	
2N. Volatile Organic Compound (VOCs) /挥发性有机化合物	Benzene /苯	71-43-2	1	0.1	ISO 11423-1 Headspace- or Purge-and-Trap-GC/MS
	Xylene /二甲苯	1330-20-7	1	0.1	
	o-cresol /邻甲苯酚	95-48-7	1	0.1	
	p-cresol /对甲苯酚	106-44-5	1	0.1	
	m-cresol /间甲苯酚	108-39-4	1	0.1	
1A. Conventional Parameters	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	
	Substance (Testing parameter)	CAS No.	Wastewater (mg/L) / (ppm)	Sludge (mg/kg) / (ppm)	
	ANIONS				
	Cyanide(CN ⁻)/氰化物	Various (incl. 57-12-5)	0.02	0.5	
	Sulfide/硫化物	—	N/A	N/A	
	Sulfite/亚硫酸盐	—	N/A	N/A	



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 26 of 32

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)	
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
	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	please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels (Foundational, Progressive, and Aspirational).
	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	1	
	Cadmium(Cd)/镉	7440-43-9	0.0001	1	
	Chromium VI(CrVI)/六价铬	18540-29-9	0.001	1	
	Lead(Pb)/铅	7439-92-1	0.001	1	Cr(VI): Various Solvent extraction and derivatisation followed by UV analysis
	Mercury (Hg)/汞	7439-97-6	0.00005	0.1	

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



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 27 of 32

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.: 16		
		Business Line: Analytical		
General Data				
Laboratory Sample Number:	93212631673			
Client Name:	开平再达钢铁有限公司			
Field Contact Person:	Harry Yu Phone No: 13555626195			
Project (Facility Name and Address):	广东省开平市水口镇美华路21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 Sample:	SW-王争光/罗敏强			
Discharge mode:	(Direct discharge to the environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant) From: 河水			
Date of collection:	09/22/2021			
Factory Type:	Discharge / Pollution / Wastewater Treatment / Others (please specify):			
Note: I would like to collect more than one				
W.L. SW-01121				
Field Data for Wastewater				
Actual Time:	9:50	Departure Time:	16:57	
Field Parameters	pH: 7.40	Temp: 32.3 °C	Color: Transparent	
Control No. of field equipment	AN-0586	AN-0300-E16		
Factory with effluent treatment plant:	Yes			
Sample matrix:	Incoming water (if required)			
	Wastewater before treatment			
	Wastewater after treatment – water at discharge point			
Swing container number	1001			
Recording line	ID			
pH:	7.40	14:48		
Temp (°C):	32.3			
Color (visual estimation):	Transparent			
Flow rate (volume/time):				
Volume collected, mL				
Total volume collected	82	Remark: Total volume collected must be greater than total of sample size required		
Analysis Required and Preservation Method				
Tests (ZOH MRSL Parameters)	Test required (Y)	Total of sample size	Preservation method	
Combined test of individual test (Remark 4)	1. Pthalate	✓	经纬度 E 112°43'3" N 22°23'10" 王争光	Without adding acid Store sample at 2-4°C
	2. Chlorobenzenes, Chlorotoluene & PAH	✓		
	3. SOCPs	✓		
	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		
15. VOC & Halogenated Solvents (Remark 6)	✓	10 mL		
16. PFCs (Remark 6)	✓	2 mL		
		PE, washed with previous grade Acetone	Fit to full container without air gap; acidity to pH2 with HCl and store sample at 2-4°C	
			Without adding acid Store sample at 2-4°C	

FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)				CPSD-AN-00613-DATA 04	
				Issue Date:	
				Version No.: 16	
				Business Line: Analytical	
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) 18. Total dissolved solids (TDS)	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid	Without adding acid Store sample at 2-8°C	
19. 5-day Biochemical Oxygen Demand (BOD5)		1000 mL			
20. Colour		100 mL			
21. Heavy Metals except Cr(VI) & Total-P (Remark 6)	✓	9 mL	PC, washed with nitric acid	Acidify to pH 2 with HNO ₃ and store at 2-8°C	
22. Cyanide		500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 mL of 10% Na ₂ S ₂ O ₅ and store sample at 2-8°C	
23. Cr(VI)	✓	95 mL		Filter by 0.45µm filter in field, fill to full container without air gap, adjust pH to 9-9.5 by adding ammonium buffer. Store sample at 2-8°C	
24. Chemical oxygen demand (COD)		150 mL			
25. Phenols		500 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C	
26. Oil and Grease & Total Hydrocarbon		1000 mL			
27. Formaldehyde		25 mL		Fill to full container without air gap; acidify to pH 2 with H ₂ SO ₄ and store sample at 2-8°C	
28. Sulfide (Remark 5)		50 mL	PC, washed with pesticide grade Acetone	Fill to full container without air gap; add 2 drops of 3M zinc acetate, adjust pH to 5 with 0M NaOH. Store sample at 2-8°C	
29. Total Coliform (Remark 6)		125 mL	PC, clean, sterile, non-reactive	Add 1.1 mL of 10% Na ₂ S ₂ O ₅ keep in dark. Store sample at 2-8°C	
30. E. coli (Remark 6)		125 mL			
31. Persistent foam		N/A	Foam higher than 45 cm (visual estimation) Yes / No		
32. Sulfate		100 mL	Amber Glass, washed with pesticide grade acetone	Add 5mL of 2.5% EDTA Store sample at 2-8°C	
33. Total N		100 mL		Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C	
34. Ammonium-N		500 mL		Acidify to pH 2 with H ₂ SO ₄ and store at 2-8°C	
35. Adsorbable organically bound halogens (AOX)		100 mL	Amber Glass washed with nitric acid		
36. Acute aquatic toxicity: Luminescent Bacteria; Fish Egg; Daphnia; Algae		1000 mL		Without adding acid Store sample at 2-8°C	
37. Sulphate		100 mL			
38. Chloride		100 mL			
39. Others					

Observation/Remark:

*Remarks:

- Individual sampling can be performed upon request
- 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
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-17, 19-25, 29, 35, 31-35
Scope of synthetic leather industry: Parameter 1-9, 12, 14-21, 23-26, 28, 30, 31, 33, 34, 37, 38
Scope of MWCF: Parameter 5, 15, 17, 19-21, 23-26, 28, 33-36
Free primary aromatic amino, pesticides, nitrobenzene and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-00016-STIP01, locations with these CPSD test capability inside TCO matrix can perform the combined test.
- Refer to CPSD-AN-000570-MTHD for additional preservation 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:

黄世之/王争光/罗敏路
Full name: 2446507078 8F146509987

Date: 09/22/2021

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) were collected in designated container(s) and without any observation on leakage. Sample(s) collected by Bureau Veritas were stored in portable freezer / fridge that is maintained in 1-6°C

Signature of Factory Representative:

Full Name: [Signature]

Date: 09/22/2021



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 29 of 32

FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)		CPSD-AN-00613-DATA 04	
General Data		Issue Date:	
Laboratory Sample Number:		Version No.: 16	
Client Name:		Business Line: Analytical	
Field Contact Person:			
Project (Facility Name and Address):			
Sampling Location / Description:			
Sample Identification:			
Sample Type:			
Name of Sample:			
Discharge mode:			
Date of collection:			
Factory Type:			
Zero discharge with sampling plan			
Composite Sample / Grab sample (Please delete as appropriate)			
Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant			
Dyeing / Printing / Winding / Finishing / Others (please specify):			
Note: If you have more than one			
Field Data for Wastewater			
Arrival Time:	9:50	Departure Time:	16:57
Field Parameters	pH:	Temp:	Color: grey
Control No. of field equipment	AN-0586	AN-0800-66	Flow rate: (volume/time)
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	I002		
Recording time	ID	Time	
pH:	7.30	7.29	8.46
Temp (°C):	34.0	34.0	35.4
Color (visual estimation):	blue	blue	grey
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 (M)	Total of sample size	Preservation method
Combined test or individual test (Remark 4)	1. Phthalate	1000 mL total or 1000 mL each	Without adding acid Store sample at 2-8°C
	2. Chlorobenzenes, Chlorotoluene & PAH		
	3. SCCPs		
	4. APS		
5. APEOs		100 mL	
6. Chlorophenols & Cresols		100 mL	
7. Flame retardant		500 mL	
8. Dyes		50 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	Fill to full container without air gap, acidify to pH 2 with HCl and store sample at 2-8°C
16. PFOS (Remark 6)		2 mL	Without adding acid Store sample at 2-8°C



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 30 of 32

Tests (Conventional Parameters)		Test required (Y)	Total of sample size	Type of container	Preservation method
Combined test or individual test (Remark 4)	17. Total suspended solids (TSS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid.	Without adding acid Store sample at 2-8°C
	18. Total dissolved solids (TDS)				
19. 5-day Biochemical Oxygen Demand (BOD5)			1000 mL		
20. Colour			100 mL		
21. Heavy Metals except Cr(VI) & Total-P (Remark 6)		✓	9 mL	PC, washed with nitric acid	Acidity to pH 2 with HNO ₃ and store at 2-8°C
22. Cyanide			500 mL	Amber Glass, washed with peroxide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 mL of 10% Na ₂ S ₂ O ₅ and store sample at 2-8°C
23. Cr(VI)		✓	95 mL	Amber Glass, washed with nitric acid	Filter by 0.45µm filter at 100°C, fill to full container without air gap; adjust pH to 5.0-5.5 by adding ammonium buffer. Store sample at 2-8°C
24. Chemical oxygen demand (COD)			150 mL		Acidity to pH 2 with H ₂ SO ₄ Store sample at 2-8°C
25. Phenols			500 mL		
26. Oil and Grease & Total Hydrocarbon			1000 mL		
27. Formaldehyde			25 mL	PC, washed with peroxide grade acetone	Fill to full container without air gap; acidity to pH 2 with H ₂ SO ₄ and store sample at 2-8°C
28. Sulfide (Remark 5)			50 mL	PE, clean, sterile, non-reactive	Fill to full container without air gap; add 2 drops of 2M zinc acetate; adjust pH to 9 with 5M NaOH. Store sample at 2-8°C
29. Total Coliform (Remark 8)			125 mL		At 0.1 mL of 10% Na ₂ SO ₃ and in dark. Store sample at 2-8°C
30. Fecal (Remark 9)			125 mL		
31. Persistent foam			N/A	Foam higher than 45 cm (visual estimation): Yes / No	
32. Sulfite			100 mL	Amber Glass, washed with peroxide grade acetone	Add 1 mL of 2.5% EDTA. Store sample at 2-8°C
33. Total-N			100 mL	Amber Glass, washed with nitric acid	Acidity to pH 2 with H ₂ SO ₄ Store sample at 2-8°C
34. Ammonium-N			500 mL		Acidity to pH 2 with HNO ₃ and store at 2-8°C
35. Adsorbable organically bound halogens (AOX)			100 mL		
36. Acute aquatic toxicity: Lumines Bacteria, Fish Egg, Daphnia, Algae			1000 mL		
37. Sulfate			100 mL		Without adding acid Store sample at 2-8°C
38. Chloride			100 mL		
39. Others:					

Observation/Remark:

***Remarks:**

- Individual sampling can be performed upon request.
- 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.
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-17, 19-26, 28, 29, 31-36
Scope of synthetic leather industry: Parameter 1-9, 12, 14-21, 23-26, 28, 30, 31, 33, 34, 37, 39
Scope of MNCF: Parameter 5, 15, 17, 19-21, 23-26, 28, 33-36
Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-00019-STP01, locations with those CPSD test capability inside TCO matrix can perform the combined test.
- Refer to CPSD-AN-00070-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:

黄世文/王争光/罗淑强
Full name: 8F146507078 8F146507987

Date: 09/22/2021

Comment from factory:

Acknowledgement to 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.

Signature of Factory Representative:

Signature: [Signature]

Date: 09/22/2021



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 31 of 32

FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE
(COMPOSITE / INDIVIDUAL SAMPLING)

CPSD-AN-00613-DATA 04
Issue Date: _____
Version No.: 16
Business Line: Analytical

General Data
Laboratory Sample Number: 93212631673
Client Name: 开平市达达纺织有限公司
Field Contact Person: Harry Yu Phone No: 13555626195
Project (Facility Name and Address): 开平市水口镇, 美华路21号
Sampling Location / Description: Waste water After treatment.
Sample Identification: Zero discharge with sampling plan
Sample Type: Composite Sample / Grab sample (Please delete as appropriate)
Name of Sampler: SW / 王华光 / 罗的明
Discharge mode: Direct discharge to environment (Specify destination: River, Sea, Stream, ...) OR Indirect discharge (sewage treatment plant)
Date of collection: 09/22/2021
Factory Type: Dyeing / Printing / Washing / Finishing / Others (please specify): 70: 漂江
Note: It would be selected more than one. 日排流量: 2000³m/d

Field Data for Wastewater
Arrival Time: 9:50 Departure Time: 16:57
Field Parameters: pH: 7.59 Temp: 32.7 °C Color: Transparent Flow rate: (volume/time)
Control No. of field equipment: AN-0586 AN-0300-E16 No
Factory with effluent treatment plant: Yes
Sample matrix: Incoming water (if required)
Wastewater before treatment
Wastewater after treatment - water at discharge point
Sampler container number: 1003
Recording time: ID Time 10:16 11:15 12:17 13:16 14:18 15:17 16:36
pH: 7.59 7.78 7.90 7.73 7.87 7.63 7.69
Temp (°C): 32.7 32.7 32.5 32.3 32.5 32.4 32.1
Color (visual estimation): Transparent Transparent Transparent Transparent Transparent Transparent
Flow rate (volume/time):
Volume collected, mL:
Total volume collected: 182 Remark: Total volume collected must be greater than total of sample size required

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)	Test required (Y)	Total of sample size	Type of container	Preservation method
Combined test of individual test (Remark 4)	1. Phthalate ✓ 2. Chlorobenzenes, Chlorotoluene & PAH ✓ 3. SCCPs ✓ 4. APS ✓	1000 mL total or 1000 mL each	2/3 玻璃瓶 EX 112°43'2" N 22°23'10" W Amber Glass washed with nitric acid.	Without adding acid Store sample at 2-8°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. *Nirocamine		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. PPCs (Remark 6)	✓	2 mL	PE, washed with pesticide grade Acetone	Fill to full container without air gaps; adjust to pH 2 with HCl and store sample at 2-8°C Without adding acid Store sample at 2-8°C



Technical Report:

(9321)263-1673

Oct 08, 2021

Page 32 of 32

FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)				CPSD-AN-00613-DATA 04	
				Issue Date:	
				Version No.: 15	
				Business Line: Analytical	
Tests (Conventional Parameters)	Test required (V)	Total of sample size	Type of container	Preservation method	
Combined test of individual test (Remark 4)	17. Total suspended solids (TSS) 18. Total dissolved solids (TDS)	2000 mL total or 2000 mL, each	Amber Glass, washed with 10% HCl	Without adding acid Store sample at 2-8°C	
19. 5-day Biochemical Oxygen Demand (BOD ₅)	✓	1000 mL			
20. Colour	✓	100 mL			
21. Heavy Metals except Cr(VI) & Total-P (Remark 6)	✓	9 mL	PG, washed with nitric acid	Acidify to pH 2 with HNO ₃ and store at 2-8°C	
22. Cyanide	✓	500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 mL of 10% Na ₂ S ₂ O ₅ and store sample at 2-8°C	
23. Cr(VI)	✓	95 mL		Filter by 0.45µm filter to 500 mL full container without air gap, adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 2-8°C	
24. Chemical oxygen demand (COD)	✓	100 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C	
25. Phenols	✓	500 mL			
26. Oil and Grease & Total Hydrocarbon	✓	1000 mL		Fill to full container without air gap, acidify to pH 2 with H ₂ SO ₄ and store sample at 2-8°C	
27. Formaldehyde	✓	25 mL		Fill to full container without air gap, add 2 drops of 2M zinc acetate, adjust pH to 5 with 6M NaOH. Store sample at 2-8°C	
28. Sulfide (Remark 5)	✓	50 mL	PE, washed with pesticide grade Acetone	Add 0.1 mL of 10% Na ₂ S ₂ O ₅ and 1 mL H ₂ SO ₄ . Store sample at 2-8°C	
29. Total Coliforms (Remark 6)	✓	125 mL	PE, clean, sterile, non reactive		
30. E. coli (Remark 6)	✓	125 mL			
31. Persistent foam	✓	N/A	Foam higher than 45 cm (visual estimation)	Yes / No	
32. Sulfate	✓	100 mL	Amber Glass, washed with pesticide grade acetone	Add 1 mL of 2.5% EDTA Store sample at 2-8°C	
33. Total-N	✓	100 mL		Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C	
34. Ammonium-N	✓	600 mL		Acidify to pH 2 with HNO ₃ and store at 2-8°C	
35. Adsorbable organically bound halogens (AOX)	✓	100 mL	Amber Glass, washed with nitric acid		
36. Acute aquatic toxicity: Luminous Bacteria, Fish Egg, Daphnia, Algae		1000 mL		Without adding acid Store sample at 2-8°C	
37. Sulfate		100 mL			
38. Chloride		100 mL			
39. Others:					

Observation/Remark:

Remarks:

- Individual sampling can be performed upon request.
- 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.
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-17, 19-20, 28, 29, 31-35
Scope of synthetic leather industry: Parameter 1-9, 12, 14-21, 23-26, 28, 30, 31, 33, 34, 37, 38
Scope of MWCF: Parameter 3, 15, 17, 19-21, 23 - 26, 28, 33-36
Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-00019-STP01, locations with those CPSD test capability inside TCO matrix can perform the combined test.
- Refer to CPSD-AN-002679-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:

黄世成 / 王争光 / 罗强
Full name: 8146507078 8146509987

Date: 09/22/2021

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: 09/22/2021