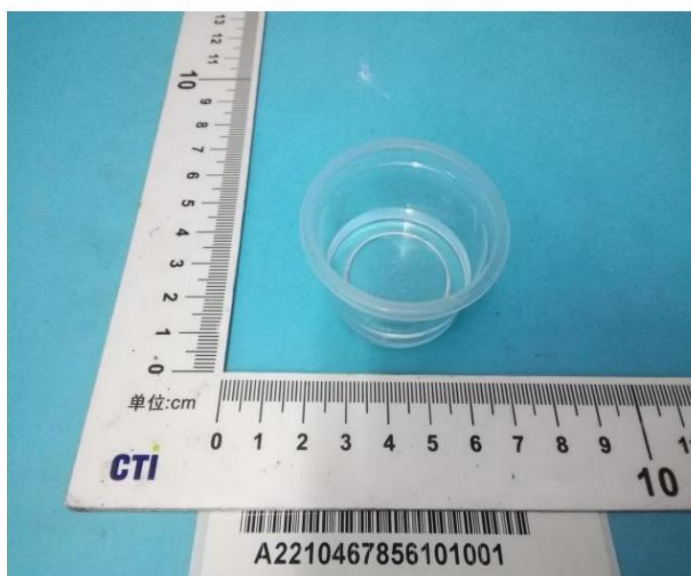


# 检测报告 Test Report

报告编号 A221046785610100102E  
Report No. A221046785610100102E

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Page 8 of 8

## 样品图片 Photo(s) of the sample(s)



### 声明Statement:

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This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性;  
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;  
The result(s) shown in this report refer(s) only to the sample(s) tested;
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# 检测报告

## Test Report

报告编号 A221046785610200102E  
Report No. A221046785610200102E

第 1 页 共 7 页  
Page 1 of 7

报告抬头公司名称 苏州市泰通禾电子材料贸易商行  
Company Name SUZHOU TAITONGHE ELECTRONIC MATERIALS TRADING FIRM  
shown on Report  
地 址 苏州市高新区浒墅关镇大通桥西侧  
Address WEST SIDE OF DATONG BRIDGE, HUSHUGUAN  
TOWN, SUZHOU

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 抗氧化原液  
Sample Name Antioxidant stock solution  
样品型号 TY-5000  
Part No. TY-5000  
样品接收日期 2021.11.10  
Sample Received Date Nov. 10, 2021  
样品检测日期 2021.11.10-2021.11.15  
Testing Period Nov. 10, 2021 to Nov. 15, 2021

检测要求 根据客户要求, 对所提交样品中的锑(Sb), 六溴环十二烷(HBCDD), 氟(F), 氯(Cl), 溴(Br), 碘(I), 邻苯二甲酸酯进行测试。

Test Requested As specified by client, to test Antimony(Sb), Hexabromocyclododecane (HBCDD), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Phthalates in the submitted sample(s).

检测依据/检测结果 请参见下页。  
Test Method/Test Result(s) Please refer to the following page(s).



主 检  
Tested by  
批 准  
Approved by  
孙 婵  
郑晴涛

郑晴涛  
技术经理 Technical Manager

审 核  
Reviewed by  
日 期  
Date

夏 强

2021.11.15

No. R530015082

广东省深圳市宝安区新安街道兴东社区华测检测大楼

检测认证集团股份有限公司  
Centre Testing International Group Co., Ltd.  
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

检测报告  
Test Report

报告编号 A221046785610200102E  
Report No. A221046785610200102E  
检测依据 Test Method

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| 测试项目<br>Test Item(s)                     | 测试方法<br>Test Method                                                                          | 测试仪器<br>Measured<br>Equipment(s) |
|------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|
| 锑<br>Antimony(Sb)                        | 参考US EPA 3052:1996 & US EPA 6010D:2018<br>Refer to US EPA 3052:1996 & US<br>EPA 6010D:2018   | ICP-OES                          |
| 六溴环十二烷<br>Hexabromocyclododecane (HBCDD) | 参考US EPA 3540C:1996 & US EPA 8270E:2018<br>Refer to US EPA 3540C:1996 &<br>US EPA 8270E:2018 | GC-MS                            |
| 氟<br>Fluorine (F)                        | 参考EN 14582:2016<br>Refer to EN 14582:2016                                                    | IC                               |
| 氯<br>Chlorine (Cl)                       | 参考EN 14582:2016<br>Refer to EN 14582:2016                                                    | IC                               |
| 溴<br>Bromine (Br)                        | 参考EN 14582:2016<br>Refer to EN 14582:2016                                                    | IC                               |
| 碘<br>Iodine (I)                          | 参考EN 14582:2016<br>Refer to EN 14582:2016                                                    | IC                               |
| 邻苯二甲酸酯<br>Phthalates                     | 参考EN 14372:2004 (E)<br>Refer to EN 14372:2004(E)                                             | GC-MS                            |

检测报告  
Test Report

报告编号 A221046785610200102E

Report No. A221046785610200102E

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## 检测结果 Test Result(s)

| 测试项目 Tested Item(s)                                                   | 结果 Result | 方法检出限 MDL |
|-----------------------------------------------------------------------|-----------|-----------|
| 锑 Antimony (Sb)                                                       | N.D.      | 5 mg/kg   |
| 测试项目 Tested Item(s)                                                   | 结果 Result | 方法检出限 MDL |
| 六溴环十二烷 Hexabromocyclododecane (HBCDD)                                 | N.D.      | 5 mg/kg   |
| 测试项目 Tested Item(s)                                                   | 结果 Result | 方法检出限 MDL |
| 氟 Fluorine (F)                                                        | N.D.      | 10 mg/kg  |
| 氯 Chlorine (Cl)                                                       | N.D.      | 10 mg/kg  |
| 溴 Bromine (Br)                                                        | N.D.      | 10 mg/kg  |
| 碘 Iodine (I)                                                          | N.D.      | 10 mg/kg  |
| 测试项目 Tested Item(s)                                                   | 结果 Result | 方法检出限 MDL |
| 邻苯二甲酸酯 Phthalates                                                     |           |           |
| 邻苯二甲酸二正辛酯 Di-n-octyl phthalate (DNOP)<br>CAS#:117-84-0                | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二异癸酯 Di-iso-decyl phthalate (DIDP)<br>CAS#:26761-40-0,68515-49-1 | N.D.      | 50 mg/kg  |
| 邻苯二甲酸二甲酯 Dimethyl phthalate (DMP)<br>CAS#:131-11-3 <sup>#</sup>       | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二乙酯 Diethyl phthalate (DEP)<br>CAS#:84-66-2 <sup>#</sup>         | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP)<br>CAS#:131-16-8 <sup>#</sup>      | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)<br>CAS#:84-69-5 <sup>#</sup>    | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二戊酯 Dipentyl phthalate (DPP)<br>CAS#:131-18-0 <sup>#</sup>       | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP)<br>CAS#:84-61-7 <sup>#</sup>  | N.D.      | 30 mg/kg  |
| 邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP)<br>CAS#:27554-26-3 <sup>#</sup> | N.D.      | 50 mg/kg  |

检测报告  
Test Report

报告编号 A221046785610200102E

Report No. A221046785610200102E

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## 检测结果 Test Result(s)

|                                                                   |      |          |
|-------------------------------------------------------------------|------|----------|
| 邻苯二甲酸二壬酯 Dinonyl phthalate (DNP)<br>CAS#:84-76-4 <sup>#</sup>     | N.D. | 30 mg/kg |
| 邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP)<br>CAS#:84-75-3 <sup>#</sup> | N.D. | 30 mg/kg |
| 邻苯二甲酸二苄酯 Dibenzyl phthalate (DBzP)<br>CAS#:523-31-9 <sup>#</sup>  | N.D. | 30 mg/kg |
| 邻苯二甲酸二苯酯 Diphenyl phthalate (DPhP)<br>CAS#:84-62-8 <sup>#</sup>   | N.D. | 30 mg/kg |

样品/部位描述

透明液体

Sample/Part Description

Transparent liquid

备注:

对于检测锑之样品已完全溶解。

-N.D. = 未检出 (小于方法检出限)

-mg/kg = ppm = 百万分之一

-根据客户声明, 本报告中的样品和报告 A2210467856102001E 中的样品为同材质, 本报告中样品的结果引自于报告 A2210467856102001E。

Remark:

**The sample(s) had been dissolved totally tested for Antimony.**

-MDL = Method Detection Limit

-N.D. = Not Detected (&lt;MDL)

-mg/kg = ppm = parts per million

-According to the client's statement, the material of sample in this report is the same as the sample in report No. A2210467856102001E, so the test result(s) is(are) presented in reference to that one.

注释:

-<sup>#</sup>表示该项目/方法不在CNAS认可范围内。

-本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

Note:

-<sup>#</sup>Indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

-The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

# 检测报告 Test Report

报告编号 A221046785610200102E

Report No. A221046785610200102E

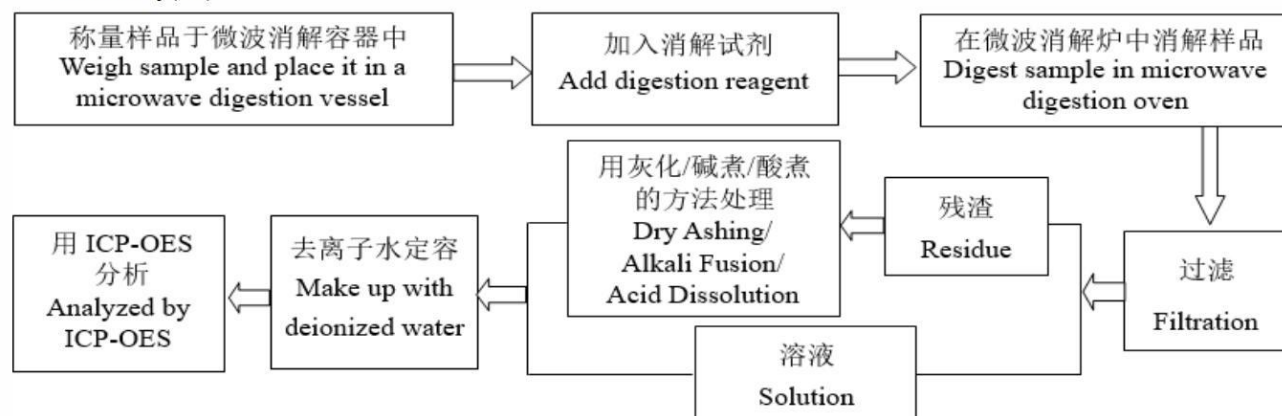
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## 检测流程 Test Process

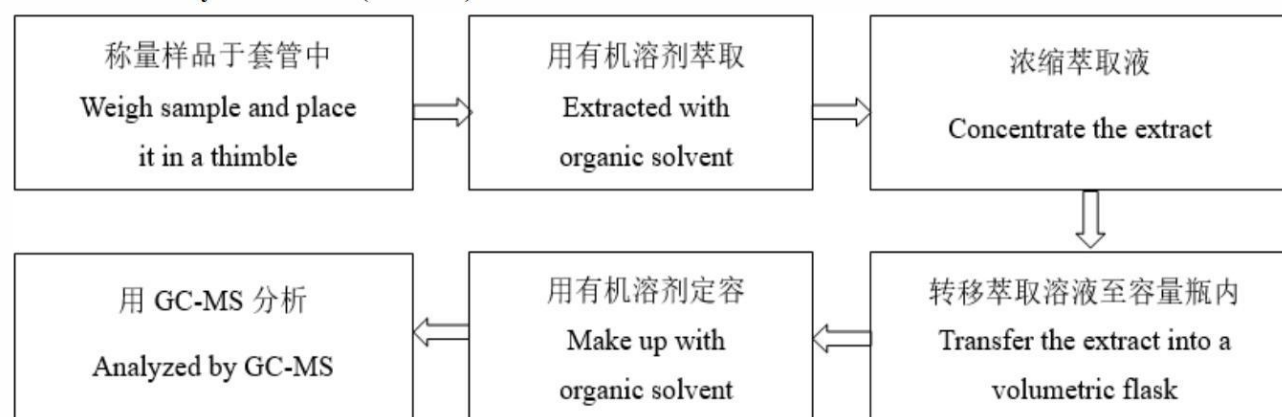
### 1. 锑 (Sb)

#### Antimony (Sb)



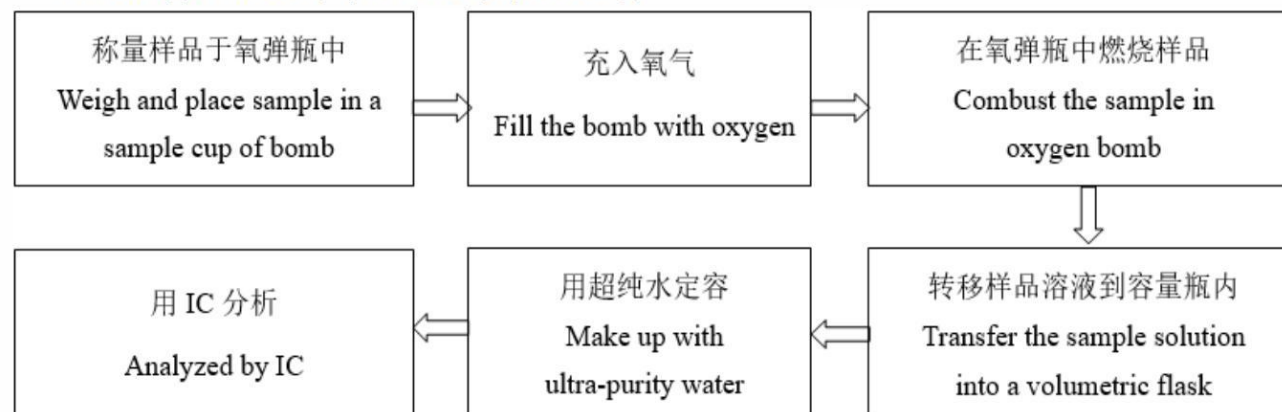
### 2. 六溴环十二烷 (HBCDD)

#### Hexabromocyclododecane (HBCDD)



### 3. 氟 (F), 氯 (Cl), 溴 (Br), 碘 (I)

#### Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)

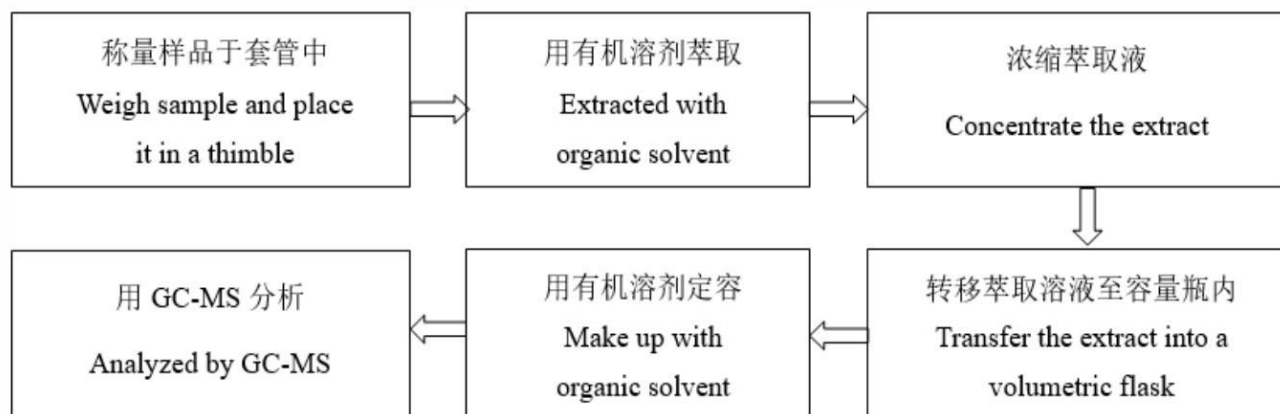


# 检测报告 Test Report

报告编号 A221046785610200102E  
Report No. A221046785610200102E

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## 4. 邻苯二甲酸酯 Phthalates

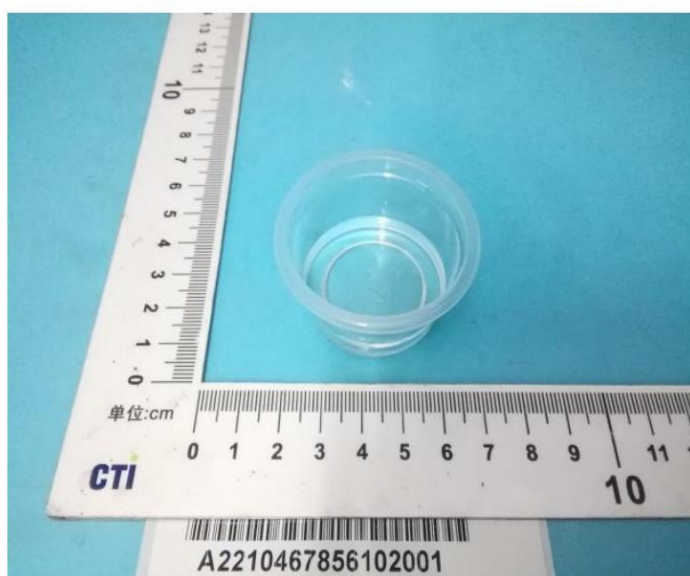


# 检测报告 Test Report

报告编号 A221046785610200102E  
Report No. A221046785610200102E

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Page 7 of 7

## 样品图片 Photo(s) of the sample(s)



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# Test Report (SVHC)

No. CANEC2100148701

Date: 09 Jan 2021

Page 1 of 20

JINCHANG NICKEL CITY MINING INDUSTRIAL CO., LTD.  
NO.7 BEIJING ROAD, JINCHANG CITY, GANSU PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : Micro-grain  
Phosphor-copper Anode ball

SGS Job No. : CP20-066699 - GZ  
Model No. :  $\Phi$ 25mm  
Material No. : TPW0.05  
Client Ref. Info. :  $\Phi$ 28mm,  $\Phi$ 38mm,  $\Phi$ 50mm,  $\Phi$ 55mm  
Manufacturer : Jinchang Nickel City Mining Industrial Co., Ltd.  
Main Substance : Cu  
Country of Origin : China  
Date of Sample Received : 05 Jan 2021  
Testing Period : 05 Jan 2021 - 08 Jan 2021  
Test Requested : As requested by client, SVHC screening is performed according to:  
(i) Two hundred and nine (209) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 25, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.  
(ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Sep 1, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.  
Test Results : Please refer to next page(s).

## Summary :

|                                                                                                                                     |      |
|-------------------------------------------------------------------------------------------------------------------------------------|------|
| According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the submitted sample. | PASS |
|-------------------------------------------------------------------------------------------------------------------------------------|------|



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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

## Test Report (SVHC)

No. CANEC2100148701

Date: 09 Jan 2021

Page 2 of 20

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

*Kelly Qu*

Kelly Qu

Approved Signatory

scan to see the report



CANEC2100148701



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Guangzhou Branch Standards Technical Laboratory

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## Test Report (SVHC)

No. CANEC2100148701

Date: 09 Jan 2021

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### Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table>  
These lists are under evaluation by ECHA and may subject to change in the future.

### 2. REACH obligation:

#### 2.1 Concerning article(s):

##### Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

##### Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

SGS adopts the ruling of the Court of Justice of the European Union on the definition of an article under REACH unless indicated otherwise. Detail explanation is available at the following link:

<http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en>

#### 2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

#### 2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety



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## Test Report (SVHC)

No. CANEC2100148701

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Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:
  - (a) a substance posing human health or environmental hazards in an individual concentration of  $\geq 1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2\%$  by volume for gaseous mixtures; or
  - (b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
  - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures; or
  - (d) a substance for which there are Europe-wide workplace exposure limits.

3. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

### Test Sample :

#### Sample Description :

| Specimen No. | SGS Sample ID    | Description                |
|--------------|------------------|----------------------------|
| SN1          | CAN21-001487.001 | Copper-coloured metal ball |

### Test Method :

SGS In-House method- SGS-CCL-TOP-092-01, SGS-CCL-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



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## Test Report (SVHC)

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### Test Result: (Substances in the Candidate List of SVHC)

| Batch | Substance Name                    | CAS No. | 001<br>Concentration (%) | RL (%) |
|-------|-----------------------------------|---------|--------------------------|--------|
| -     | All tested SVHC in candidate list | -       | ND                       | -      |

### Test Result: (Substances in the Consultation List of potential SVHC)

| Batch | Substance Name                       | CAS No. | 001<br>Concentration (%) | RL (%) |
|-------|--------------------------------------|---------|--------------------------|--------|
| -     | All tested SVHC in consultation list | -       | ND                       | -      |



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### Notes :

1. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
2. RL = Reporting Limit (Test data will be shown if it  $\geq$  RL. RL is not regulatory limit.) ND = Not detected (lower than RL),  
ND is denoted on the SVHC substance.
3. \* The test result is based on the calculation of selected element(s) and to the worst-case scenario.  
\*\* The test result is based on the calculation of selected marker(s) and to the worst-case scenario.  
For detail information, please refer to the SGS REACH website:  
<http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>
4. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, cadmium, titanium and barium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).
5. Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.
6. § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq 0.1\%$  (w/w).
7. / = Substances in the Consultation List of SVHC



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## Appendix

### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                               | CAS No.                  | RL (%) |
|-------|-----|------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|
| I     | 1   | 4,4' -Diaminodiphenylmethane(MDA)                                                                                            | 101-77-9                 | 0.050  |
| I     | 2   | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                                                                           | 81-15-2                  | 0.050  |
| I     | 3   | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                                                                  | 85535-84-8               | 0.050  |
| I     | 4   | Anthracene                                                                                                                   | 120-12-7                 | 0.050  |
| I     | 5   | Benzyl butyl phthalate (BBP)                                                                                                 | 85-68-7                  | 0.050  |
| I     | 6   | Bis (2-ethylhexyl)phthalate (DEHP)                                                                                           | 117-81-7                 | 0.050  |
| I     | 7   | Bis(tributyltin)oxide (TBTO)                                                                                                 | 56-35-9                  | 0.050  |
| I     | 8   | Cobalt dichloride*                                                                                                           | 7646-79-9                | 0.005  |
| I     | 9   | Diarsenic pentaoxide*                                                                                                        | 1303-28-2                | 0.005  |
| I     | 10  | Diarsenic trioxide*                                                                                                          | 1327-53-3                | 0.005  |
| I     | 11  | Dibutyl phthalate (DBP)                                                                                                      | 84-74-2                  | 0.050  |
| I     | 12  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | -                        | 0.050  |
| I     | 13  | Lead hydrogen arsenate*                                                                                                      | 7784-40-9                | 0.005  |
| I     | 14  | Sodium dichromate*                                                                                                           | 7789-12-0,<br>10588-01-9 | 0.005  |
| I     | 15  | Triethyl arsenate*                                                                                                           | 15606-95-8               | 0.005  |
| II    | 16  | 2,4-Dinitrotoluene                                                                                                           | 121-14-2                 | 0.050  |
| II    | 17  | Acrylamide                                                                                                                   | 79-06-1                  | 0.050  |
| II    | 18  | Anthracene oil**                                                                                                             | 90640-80-5               | 0.050  |
| II    | 19  | Anthracene oil, anthracene paste**                                                                                           | 90640-81-6               | 0.050  |
| II    | 20  | Anthracene oil, anthracene paste, anthracene fraction**                                                                      | 91995-15-2               | 0.050  |



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## Appendix

### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                    | CAS No.                                | RL (%) |
|-------|-----|-----------------------------------------------------------------------------------|----------------------------------------|--------|
| II    | 21  | Anthracene oil, anthracene paste, distn. lights**                                 | 91995-17-4                             | 0.050  |
| II    | 22  | Anthracene oil, anthracene-low**                                                  | 90640-82-7                             | 0.050  |
| II    | 23  | Diisobutyl phthalate                                                              | 84-69-5                                | 0.050  |
| II    | 24  | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*                      | 12656-85-8                             | 0.005  |
| II    | 25  | Lead chromate*                                                                    | 7758-97-6                              | 0.005  |
| II    | 26  | Lead sulfochromate yellow (C.I. Pigment Yellow 34)*                               | 1344-37-2                              | 0.005  |
| II    | 27  | Pitch, coal tar, high temp.**                                                     | 65996-93-2                             | 0.050  |
| II    | 28  | Tris(2-chloroethyl)phosphate                                                      | 115-96-8                               | 0.050  |
| III   | 29  | Ammonium dichromate*                                                              | 7789-09-5                              | 0.005  |
| III   | 30  | Boric acid*                                                                       | -                                      | 0.005  |
| III   | 31  | Disodium tetraborate, anhydrous*                                                  | 1303-96-4,<br>1330-43-4,<br>12179-04-3 | 0.005  |
| III   | 32  | Potassium chromate*                                                               | 7789-00-6                              | 0.005  |
| III   | 33  | Potassium dichromate*                                                             | 7778-50-9                              | 0.005  |
| III   | 34  | Sodium chromate*                                                                  | 7775-11-3                              | 0.005  |
| III   | 35  | Tetraboron disodium heptaoxide, hydrate*                                          | 12267-73-1                             | 0.005  |
| III   | 36  | Trichloroethylene                                                                 | 79-01-6                                | 0.050  |
| IV    | 37  | 2-Ethoxyethanol                                                                   | 110-80-5                               | 0.050  |
| IV    | 38  | 2-Methoxyethanol                                                                  | 109-86-4                               | 0.050  |
| IV    | 39  | Chromic acid,<br>Oligomers of chromic acid and dichromic acid,<br>Dichromic acid* | -                                      | 0.005  |



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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                          | CAS No.                | RL (%) |
|-------|-----|-------------------------------------------------------------------------|------------------------|--------|
| IV    | 40  | Chromium trioxide*                                                      | 1333-82-0              | 0.005  |
| IV    | 41  | Cobalt(II) carbonate*                                                   | 513-79-1               | 0.005  |
| IV    | 42  | Cobalt(II) diacetate*                                                   | 71-48-7                | 0.005  |
| IV    | 43  | Cobalt(II) dinitrate*                                                   | 10141-05-6             | 0.005  |
| IV    | 44  | Cobalt(II) sulphate*                                                    | 10124-43-3             | 0.005  |
| V     | 45  | 1,2,3-trichloropropane                                                  | 96-18-4                | 0.050  |
| V     | 46  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich    | 71888-89-6             | 0.050  |
| V     | 47  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4             | 0.050  |
| V     | 48  | 1-methyl-2-pyrrolidone                                                  | 872-50-4               | 0.050  |
| V     | 49  | 2-ethoxyethyl acetate                                                   | 111-15-9               | 0.050  |
| V     | 50  | Hydrazine                                                               | 7803-57-8,<br>302-01-2 | 0.050  |
| V     | 51  | Strontium chromate*                                                     | 7789-06-2              | 0.005  |
| VI    | 52  | 1,2-Dichloroethane                                                      | 107-06-2               | 0.050  |
| VI    | 53  | 2,2'-dichloro-4,4'-methylenedianiline                                   | 101-14-4               | 0.050  |
| VI    | 54  | 2-Methoxyaniline; o-Anisidine                                           | 90-04-0                | 0.050  |
| VI    | 55  | 4-(1,1,3,3-tetramethylbutyl)phenol                                      | 140-66-9               | 0.050  |
| VI    | 56  | Aluminosilicate Refractory Ceramic Fibres *                             | -                      | 0.005  |
| VI    | 57  | Arsenic acid*                                                           | 7778-39-4              | 0.005  |
| VI    | 58  | Bis(2-methoxyethyl) ether                                               | 111-96-6               | 0.050  |
| VI    | 59  | Bis(2-methoxyethyl) phthalate                                           | 117-82-8               | 0.050  |



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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                             | CAS No.    | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| VI    | 60  | Calcium arsenate*                                                                                                                          | 7778-44-1  | 0.005  |
| VI    | 61  | Dichromium tris(chromate) *                                                                                                                | 24613-89-6 | 0.005  |
| VI    | 62  | Formaldehyde, oligomeric reaction products with aniline                                                                                    | 25214-70-4 | 0.050  |
| VI    | 63  | Lead diazide, Lead azide*                                                                                                                  | 13424-46-9 | 0.005  |
| VI    | 64  | Lead dipicrate*                                                                                                                            | 6477-64-1  | 0.005  |
| VI    | 65  | Lead styphnate*                                                                                                                            | 15245-44-0 | 0.005  |
| VI    | 66  | N,N-dimethylacetamide                                                                                                                      | 127-19-5   | 0.050  |
| VI    | 67  | Pentazinc chromate octahydroxide*                                                                                                          | 49663-84-5 | 0.005  |
| VI    | 68  | Phenolphthalein                                                                                                                            | 77-09-8    | 0.050  |
| VI    | 69  | Potassium hydroxyoctaoxodizincatedichromate*                                                                                               | 11103-86-9 | 0.005  |
| VI    | 70  | Trilead diarsenate*                                                                                                                        | 3687-31-8  | 0.005  |
| VI    | 71  | Zirconia Aluminosilicate Refractory Ceramic Fibres*                                                                                        | -          | 0.005  |
| VII   | 72  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§ | 2580-56-5  | 0.050  |
| VII   | 73  | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§                   | 548-62-9   | 0.050  |
| VII   | 74  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                          | 112-49-2   | 0.050  |
| VII   | 75  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                                | 110-71-4   | 0.050  |
| VII   | 76  | 4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)                                                                                    | 90-94-8    | 0.050  |
| VII   | 77  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§                                                                                   | 561-41-1   | 0.050  |
| VII   | 78  | Diboron trioxide*                                                                                                                          | 1303-86-2  | 0.005  |



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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                    | CAS No.     | RL (%) |
|-------|-----|-------------------------------------------------------------------------------------------------------------------|-------------|--------|
| VII   | 79  | Formamide                                                                                                         | 75-12-7     | 0.050  |
| VII   | 80  | Lead(II) bis(methanesulfonate)*                                                                                   | 17570-76-2  | 0.005  |
| VII   | 81  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                    | 101-61-1    | 0.050  |
| VII   | 82  | TGIC<br>(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)                                        | 2451-62-9   | 0.050  |
| VII   | 83  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4<br>(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)<br>§ | 6786-83-0   | 0.050  |
| VII   | 84  | $\beta$ -TGIC (1,3,5-tris[(2S and<br>2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)                 | 59653-74-6  | 0.050  |
| VIII  | 85  | [Phthalato(2-)]dioxotrilead*                                                                                      | 69011-06-9  | 0.005  |
| VIII  | 86  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                  | 84777-06-0  | 0.050  |
| VIII  | 87  | 1,2-Diethoxyethane                                                                                                | 629-14-1    | 0.050  |
| VIII  | 88  | 1-Bromopropane                                                                                                    | 106-94-5    | 0.050  |
| VIII  | 89  | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                | 143860-04-2 | 0.050  |
| VIII  | 90  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated                                                                   | -           | 0.050  |
| VIII  | 91  | 4,4'-Methylenedi-o-toluidine                                                                                      | 838-88-0    | 0.050  |
| VIII  | 92  | 4,4'-Oxydianiline and its salts                                                                                   | 101-80-4    | 0.050  |
| VIII  | 93  | 4-Aminoazobenzene                                                                                                 | 60-09-3     | 0.050  |
| VIII  | 94  | 4-Methyl-m-phenylenediamine                                                                                       | 95-80-7     | 0.050  |
| VIII  | 95  | 4-Nonylphenol, branched and linear                                                                                | -           | 0.050  |
| VIII  | 96  | 6-Methoxy-m-toluidine                                                                                             | 120-71-8    | 0.050  |
| VIII  | 97  | Acetic acid, lead salt, basic*                                                                                    | 51404-69-4  | 0.005  |



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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                               | CAS No.    | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| VIII  | 98  | Biphenyl-4-ylamine                                                                                                                                           | 92-67-1    | 0.050  |
| VIII  | 99  | Bis(pentabromophenyl) ether (DecaBDE)                                                                                                                        | 1163-19-5  | 0.050  |
| VIII  | 100 | Cyclohexane-1,2-dicarboxylic anhydride,<br>cis-cyclohexane-1,2-dicarboxylic anhydride,<br>trans-cyclohexane-1,2-dicarboxylic anhydride                       | -          | 0.050  |
| VIII  | 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                                            | 123-77-3   | 0.050  |
| VIII  | 102 | Dibutyltin dichloride (DBTC)                                                                                                                                 | 683-18-1   | 0.050  |
| VIII  | 103 | Diethyl sulphate                                                                                                                                             | 64-67-5    | 0.050  |
| VIII  | 104 | Diisopentylphthalate                                                                                                                                         | 605-50-5   | 0.050  |
| VIII  | 105 | Dimethyl sulphate                                                                                                                                            | 77-78-1    | 0.050  |
| VIII  | 106 | Dinoseb                                                                                                                                                      | 88-85-7    | 0.050  |
| VIII  | 107 | Dioxobis(stearato)trilead*                                                                                                                                   | 12578-12-0 | 0.005  |
| VIII  | 108 | Fatty acids, C16-18, lead salts*                                                                                                                             | 91031-62-8 | 0.005  |
| VIII  | 109 | Furan                                                                                                                                                        | 110-00-9   | 0.050  |
| VIII  | 110 | Henicosfluoroundecanoic acid                                                                                                                                 | 2058-94-8  | 0.050  |
| VIII  | 111 | Heptacosfluorotetradecanoic acid                                                                                                                             | 376-06-7   | 0.050  |
| VIII  | 112 | Hexahydromethylphthalic anhydride,<br>Hexahydro-4-methylphthalic anhydride,<br>Hexahydro-1-methylphthalic anhydride,<br>Hexahydro-3-methylphthalic anhydride | -          | 0.050  |
| VIII  | 113 | Lead bis(tetrafluoroborate)*                                                                                                                                 | 13814-96-5 | 0.005  |
| VIII  | 114 | Lead cyanamidate*                                                                                                                                            | 20837-86-9 | 0.005  |
| VIII  | 115 | Lead dinitrate*                                                                                                                                              | 10099-74-8 | 0.005  |
| VIII  | 116 | Lead monoxide*                                                                                                                                               | 1317-36-8  | 0.005  |



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## Appendix

### Full list of tested SVHC:

| Batch | No. | Substance Name                                            | CAS No.     | RL (%) |
|-------|-----|-----------------------------------------------------------|-------------|--------|
| VIII  | 117 | Lead oxide sulfate*                                       | 12036-76-9  | 0.005  |
| VIII  | 118 | Lead tetroxide (orange lead)*                             | 1314-41-6   | 0.005  |
| VIII  | 119 | Lead titanium trioxide*                                   | 12060-00-3  | 0.005  |
| VIII  | 120 | Lead titanium zirconium oxide*                            | 12626-81-2  | 0.005  |
| VIII  | 121 | Methoxyacetic acid                                        | 625-45-6    | 0.050  |
| VIII  | 122 | Methyloxirane (Propylene oxide)                           | 75-56-9     | 0.050  |
| VIII  | 123 | N,N-dimethylformamide                                     | 68-12-2     | 0.050  |
| VIII  | 124 | N-Methylacetamide                                         | 79-16-3     | 0.050  |
| VIII  | 125 | N-Pentyl-isopentylphthalate                               | 776297-69-9 | 0.050  |
| VIII  | 126 | o-Aminoazotoluene                                         | 97-56-3     | 0.050  |
| VIII  | 127 | o-Toluidine                                               | 95-53-4     | 0.050  |
| VIII  | 128 | Pentacosafuorotridecanoic acid                            | 72629-94-8  | 0.050  |
| VIII  | 129 | Pentalead tetraoxide sulphate*                            | 12065-90-6  | 0.005  |
| VIII  | 130 | Pyrochlore, antimony lead yellow*                         | 8012-00-8   | 0.005  |
| VIII  | 131 | Silicic acid, barium salt, lead-doped*                    | 68784-75-8  | 0.005  |
| VIII  | 132 | Silicic acid, lead salt*                                  | 11120-22-2  | 0.005  |
| VIII  | 133 | Sulfurous acid, lead salt, dibasic*                       | 62229-08-7  | 0.005  |
| VIII  | 134 | Tetraethyllead*                                           | 78-00-2     | 0.005  |
| VIII  | 135 | Tetralead trioxide sulphate*                              | 12202-17-4  | 0.005  |
| VIII  | 136 | Tricosafuorododecanoic acid                               | 307-55-1    | 0.050  |
| VIII  | 137 | Trilead bis(carbonate)dihydroxide (basic lead carbonate)* | 1319-46-6   | 0.005  |



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## Appendix

### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                        | CAS No.    | RL (%) |
|-------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| VIII  | 138 | Trilead dioxide phosphonate*                                                                                                                          | 12141-20-7 | 0.005  |
| IX    | 139 | 4-Nonylphenol, branched and linear, ethoxylated                                                                                                       | -          | 0.050  |
| IX    | 140 | Ammonium pentadecafluorooctanoate (APFO)**                                                                                                            | 3825-26-1  | 0.050  |
| IX    | 141 | Cadmium oxide*                                                                                                                                        | 1306-19-0  | 0.005  |
| IX    | 142 | Cadmium*                                                                                                                                              | 7440-43-9  | 0.005  |
| IX    | 143 | Dipentyl phthalate (DPP)                                                                                                                              | 131-18-0   | 0.050  |
| IX    | 144 | Pentadecafluorooctanoic acid (PFOA)                                                                                                                   | 335-67-1   | 0.050  |
| X     | 145 | Cadmium sulphide*                                                                                                                                     | 1306-23-6  | 0.005  |
| X     | 146 | Diethyl phthalate                                                                                                                                     | 84-75-3    | 0.050  |
| X     | 147 | Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                           | 573-58-0   | 0.050  |
| X     | 148 | Disodium 4-amino-3-[[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7  | 0.050  |
| X     | 149 | Imidazolidine-2-thione; (2-imidazoline-2-thiol)                                                                                                       | 96-45-7    | 0.050  |
| X     | 150 | Lead di(acetate)*                                                                                                                                     | 301-04-2   | 0.005  |
| X     | 151 | Triethyl phosphate                                                                                                                                    | 25155-23-1 | 0.050  |
| XI    | 152 | 1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear                                                                                      | 68515-50-4 | 0.050  |
| XI    | 153 | Cadmium chloride*                                                                                                                                     | 10108-64-2 | 0.005  |
| XI    | 154 | Sodium perborate; perboric acid, sodium salt*                                                                                                         | -          | 0.005  |
| XI    | 155 | Sodium peroxometaborate*                                                                                                                              | 7632-04-4  | 0.005  |



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### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                                                                                                                                  | CAS No.                   | RL (%) |
|-------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|
| XII   | 156 | 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                                                        | 25973-55-1                | 0.050  |
| XII   | 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                            | 3846-71-7                 | 0.050  |
| XII   | 158 | 2-Ethylhexyl<br>10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE                                                                                                                                                                        | 15571-58-1                | 0.050  |
| XII   | 159 | Cadmium fluoride*                                                                                                                                                                                                                                               | 7790-79-6                 | 0.005  |
| XII   | 160 | Cadmium sulphate*                                                                                                                                                                                                                                               | 10124-36-4,<br>31119-53-6 | 0.005  |
| XII   | 161 | Reaction mass of 2-ethylhexyl<br>10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-<br>[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE) | -                         | 0.050  |
| XIII  | 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters;<br>1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate                                                                                           | -                         | 0.050  |
| XIII  | 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1],<br>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]<br>[covering any of the individual isomers of [1] and [2] or any combination thereof]                       | -                         | 0.050  |
| XIV   | 164 | 1,3-propanesultone                                                                                                                                                                                                                                              | 1120-71-4                 | 0.050  |
| XIV   | 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                                  | 3864-99-1                 | 0.050  |
| XIV   | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                                                                            | 36437-37-3                | 0.050  |
| XIV   | 167 | Nitrobenzene                                                                                                                                                                                                                                                    | 98-95-3                   | 0.050  |
| XIV   | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                                                                                     | -                         | 0.050  |
| XV    | 169 | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                                                                             | 50-32-8                   | 0.050  |



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### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                                                                           | CAS No.    | RL (%) |
|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| XVI   | 170 | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                | 80-05-7    | 0.050  |
| XVI   | 171 | 4-Heptylphenol, branched and linear                                                                                                                                                                      | -          | 0.050  |
| XVI   | 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                     | -          | 0.050  |
| XVI   | 173 | p-(1,1-dimethylpropyl)phenol                                                                                                                                                                             | 80-46-6    | 0.050  |
| XVII  | 174 | Perfluorohexane-1-sulphonic acid and its salts                                                                                                                                                           | -          | 0.050  |
| XVIII | 175 | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof] | -          | 0.050  |
| XVIII | 176 | Benz[a]anthracene                                                                                                                                                                                        | 56-55-3    | 0.050  |
| XVIII | 177 | Cadmium nitrate*                                                                                                                                                                                         | 10325-94-7 | 0.005  |
| XVIII | 178 | Cadmium carbonate*                                                                                                                                                                                       | 513-78-0   | 0.005  |
| XVIII | 179 | Cadmium hydroxide*                                                                                                                                                                                       | 21041-95-2 | 0.005  |
| XVIII | 180 | Chrysene                                                                                                                                                                                                 | 218-01-9   | 0.050  |
| XVIII | 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]                               | -          | 0.050  |
| XIX   | 182 | Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride)                                                                                                                                   | 552-30-7   | 0.050  |
| XIX   | 183 | Benzo[ghi]perylene                                                                                                                                                                                       | 191-24-2   | 0.050  |
| XIX   | 184 | Decamethylcyclopentasiloxane (D5)                                                                                                                                                                        | 541-02-6   | 0.050  |
| XIX   | 185 | Dicyclohexyl phthalate (DCHP)                                                                                                                                                                            | 84-61-7    | 0.050  |
| XIX   | 186 | Disodium octaborate*                                                                                                                                                                                     | 12008-41-2 | 0.005  |
| XIX   | 187 | Dodecamethylcyclohexasiloxane (D6)                                                                                                                                                                       | 540-97-6   | 0.050  |



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#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                               | CAS No.     | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|
| XIX   | 188 | Ethylenediamine                                                                                                                                              | 107-15-3    | 0.050  |
| XIX   | 189 | Lead*                                                                                                                                                        | 7439-92-1   | 0.005  |
| XIX   | 190 | Octamethylcyclotetrasiloxane (D4)                                                                                                                            | 556-67-2    | 0.050  |
| XIX   | 191 | Terphenyl hydrogenated                                                                                                                                       | 61788-32-7  | 0.050  |
| XX    | 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)                                                                        | 15087-24-8  | 0.050  |
| XX    | 193 | 2,2-bis(4'-hydroxyphenyl)-4- methylpentane                                                                                                                   | 6807-17-6   | 0.050  |
| XX    | 194 | Benzo[k]fluoranthene                                                                                                                                         | 207-08-9    | 0.050  |
| XX    | 195 | Fluoranthene                                                                                                                                                 | 206-44-0    | 0.050  |
| XX    | 196 | Phenanthrene                                                                                                                                                 | 85-01-8     | 0.050  |
| XX    | 197 | Pyrene                                                                                                                                                       | 129-00-0    | 0.050  |
| XXI   | 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | -           | 0.050  |
| XXI   | 199 | 2-methoxyethyl acetate                                                                                                                                       | 110-49-6    | 0.050  |
| XXI   | 200 | 4-tert-butylphenol (PTBP)                                                                                                                                    | 98-54-4     | 0.050  |
| XXI   | 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)                                       | -           | 0.050  |
| XXII  | 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                          | 119313-12-1 | 0.050  |
| XXII  | 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                     | 71868-10-5  | 0.050  |
| XXII  | 204 | Diisohexyl phthalate                                                                                                                                         | 71850-09-4  | 0.050  |
| XXII  | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                           | -           | 0.050  |



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## Test Report (SVHC)

No. CANEC2100148701

Date: 09 Jan 2021

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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                                                                                                               | CAS No.    | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| XXIII | 206 | 1-vinylimidazole                                                                                                                                                                                             | 1072-63-5  | 0.050  |
| XXIII | 207 | 2-methylimidazole                                                                                                                                                                                            | 693-98-1   | 0.050  |
| XXIII | 208 | Butyl 4-hydroxybenzoate                                                                                                                                                                                      | 94-26-8    | 0.050  |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin**                                                                                                                                                                    | 22673-19-4 | 0.050  |
| /     | 210 | Resorcinol                                                                                                                                                                                                   | 108-46-3   | 0.050  |
| /     | 211 | bis(2-(2-methoxyethoxy)ethyl) ether                                                                                                                                                                          | 143-24-8   | 0.050  |
| /     | 212 | Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety** | -          | 0.050  |



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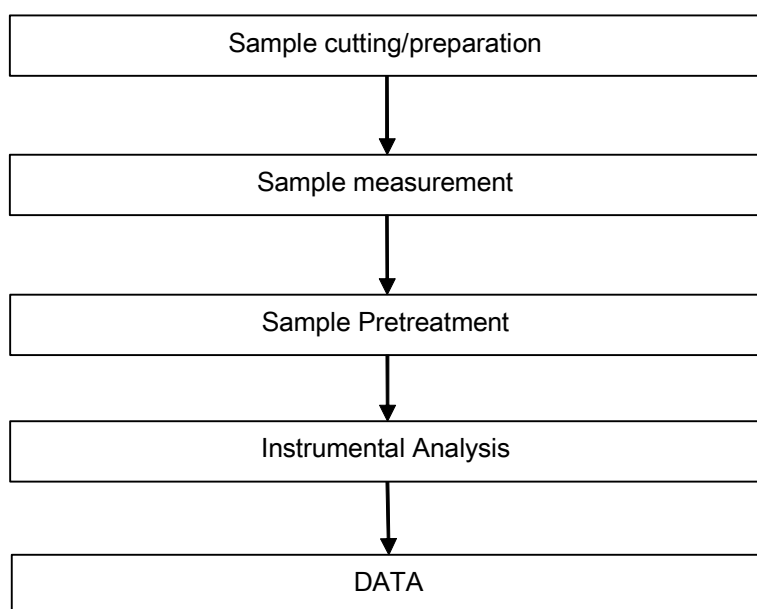
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## ATTACHMENTS

### SVHC Testing Flow Chart



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## Test Report (SVHC)

No. CANEC2100148701

Date: 09 Jan 2021

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Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第1页,共13页

金昌镍都矿山实业有限公司  
甘肃省金昌市金川区北京路7号

以下测试之样品是由申请者所提供及确认: 微晶磷铜球

SGS工作编号: CP20-066699 - GZ  
型号:  $\Phi 25\text{mm}$   
料号: TPW0.05  
客户参考信息:  $\Phi 28\text{mm}$ ,  $\Phi 38\text{mm}$ ,  $\Phi 50\text{mm}$ ,  $\Phi 55\text{mm}$   
生产厂家: 金昌镍都矿山实业有限公司  
主要成份: 铜  
原产国: 中国  
样品接收日期: 2021年01月05日  
测试周期: 2021年01月05日 - 2021年01月09日  
测试要求: 根据客户要求测试  
测试方法: 请参见下一页  
测试结果: 请参见下一页

测试结果概要:

| 测试要求                                                                                   | 结论    |
|----------------------------------------------------------------------------------------|-------|
| RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863                                                 | 符合    |
| 卤素                                                                                     | 见测试结果 |
| 邻苯二甲酸酯                                                                                 | 见测试结果 |
| 全氟辛酸(PFOA)及其盐 & 全氟辛烷磺酸 (PFOS) 及其衍生物                                                    | 见测试结果 |
| 欧盟决议(EC) No 1907/2006 REACH 附录XVII及其修正法案(EU) 2018/2005 & (EU) 2015/326 第51&52条- 邻苯二甲酸酯 | 符合    |
| 六溴环十二烷(HBCDD)                                                                          | 见测试结果 |



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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第2页,共13页

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Kelly Qu 屈桃李  
批准签署人



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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第3页,共13页

测试结果:

### 测试样品描述:

| 样品编号 | SGS样品ID          | 描述    |
|------|------------------|-------|
| SN1  | CAN21-001487.001 | 铜色金属球 |

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

### RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

| 测试项目           | 限值   | 单位     | MDL  | 001 |
|----------------|------|--------|------|-----|
| 镉 (Cd)         | 100  | mg/kg  | 2    | ND  |
| 铅 (Pb)         | 1000 | mg/kg  | 2    | ND  |
| 汞 (Hg)         | 1000 | mg/kg  | 2    | ND  |
| 六价铬(Cr(VI))▼   | -    | µg/cm² | 0.10 | ND  |
| 多溴联苯之和(PBBs)   | 1000 | mg/kg  | -    | ND  |
| 一溴联苯           | -    | mg/kg  | 5    | ND  |
| 二溴联苯           | -    | mg/kg  | 5    | ND  |
| 三溴联苯           | -    | mg/kg  | 5    | ND  |
| 四溴联苯           | -    | mg/kg  | 5    | ND  |
| 五溴联苯           | -    | mg/kg  | 5    | ND  |
| 六溴联苯           | -    | mg/kg  | 5    | ND  |
| 七溴联苯           | -    | mg/kg  | 5    | ND  |
| 八溴联苯           | -    | mg/kg  | 5    | ND  |
| 九溴联苯           | -    | mg/kg  | 5    | ND  |
| 十溴联苯           | -    | mg/kg  | 5    | ND  |
| 多溴二苯醚之和(PBDEs) | 1000 | mg/kg  | -    | ND  |
| 一溴二苯醚          | -    | mg/kg  | 5    | ND  |
| 二溴二苯醚          | -    | mg/kg  | 5    | ND  |
| 三溴二苯醚          | -    | mg/kg  | 5    | ND  |
| 四溴二苯醚          | -    | mg/kg  | 5    | ND  |
| 五溴二苯醚          | -    | mg/kg  | 5    | ND  |
| 六溴二苯醚          | -    | mg/kg  | 5    | ND  |



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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第4页,共13页

| 测试项目                  | 限值   | 单位    | MDL | 001 |
|-----------------------|------|-------|-----|-----|
| 七溴二苯醚                 | -    | mg/kg | 5   | ND  |
| 八溴二苯醚                 | -    | mg/kg | 5   | ND  |
| 九溴二苯醚                 | -    | mg/kg | 5   | ND  |
| 十溴二苯醚                 | -    | mg/kg | 5   | ND  |
| 邻苯二甲酸二丁酯 (DBP)        | 1000 | mg/kg | 50  | ND  |
| 邻苯二甲酸丁苄酯(BBP)         | 1000 | mg/kg | 50  | ND  |
| 邻苯二甲酸二(2-乙基己基)酯(DEHP) | 1000 | mg/kg | 50  | ND  |
| 邻苯二甲酸二异丁酯(DIBP)       | 1000 | mg/kg | 50  | ND  |

### 备注:

- (1)最大允许极限值引用自RoHS指令(EU) 2015/863。IEC 62321系列等同于 EN 62321 系列  
[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (2) ▼=a. 当六价铬的浓度高于0.13 µg/cm²时, 样品为阳性, 即含有六价铬;  
 b. 当六价铬的浓度为ND(低于0.10 µg/cm²)时, 样品为阴性, 即未检测到六价铬;  
 c. 当六价铬的浓度介于0.10 µg/cm²与0.13 µg/cm²之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果;  
 由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。

### 卤素

测试方法: 参考EN 14582:2016, 用 IC 分析。

| 测试项目   | 单位    | MDL | 001 |
|--------|-------|-----|-----|
| 氟 (F)  | mg/kg | 50  | ND  |
| 氯 (Cl) | mg/kg | 50  | ND  |
| 溴 (Br) | mg/kg | 50  | ND  |
| 碘 (I)  | mg/kg | 50  | ND  |

### 邻苯二甲酸酯

测试方法: 参考IEC 62321-8 :2017, 用GC-MS测定邻苯二甲酸酯的含量。

| 测试项目                   | CAS NO.  | 单位     | MDL   | 001 |
|------------------------|----------|--------|-------|-----|
| 邻苯二甲酸二戊酯 (DPENP/ DnPP) | 131-18-0 | %(w/w) | 0.005 | ND  |

### 全氟辛酸(PFOA)及其盐 & 全氟辛烷磺酸 (PFOS)及其衍生物



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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第5页,共13页

测试方法: 参考CEN/TS 15968:2010, 采用LC-MS或LC-MS/MS进行分析。

| 测试项目                       | CAS NO.    | 单位    | MDL   | 001 |
|----------------------------|------------|-------|-------|-----|
| 全氟辛酸 (PFOA)及其盐+            | 335-67-1   | mg/kg | 0.010 | ND  |
| 全氟辛烷磺酸 (PFOS) <sup>^</sup> | 1763-23-1  | mg/kg | 0.010 | ND  |
| 全氟辛基磺酰胺(PFOSA)             | 754-91-6   | mg/kg | 0.010 | ND  |
| N-甲基全氟辛烷磺酰胺(MeFOSA)        | 31506-32-8 | mg/kg | 0.010 | ND  |
| N-乙基全氟辛烷磺酰胺(EtFOSA)        | 4151-50-2  | mg/kg | 0.010 | ND  |
| 2-(N-甲基全氟辛基磺酰胺)乙醇(MeFOSE)  | 24448-09-7 | mg/kg | 0.010 | ND  |
| 2-(N-乙基全氟辛基磺酰胺)乙醇(EtFOSE)  | 1691-99-2  | mg/kg | 0.010 | ND  |
| 全氟辛烷磺酸 (PFOS)及其衍生物         | -          | mg/kg | -     | ND  |

备注:

(1) + PFOA 及其盐包含PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) 和 APFO (CAS No.: 3825-26-1);

(2) ^ 全氟辛烷磺酸 (PFOS)包含 PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (CAS No.: 56773-42-3), PFOS-DDA (CAS No.:251099-16-8) 和POSF (CAS No.: 307-35-7)

### 欧盟决议(EC) No 1907/2006 REACH附录XVII及其修正法案(EU) 2018/2005 & (EU) 2015/326 第51&52条- 邻苯二甲酸酯

测试方法: 参考IEC 62321-8:2017, 采用GC-MS进行分析。

| 测试项目                        | CAS NO.                 | 限值  | 单位     | MDL   | 001 |
|-----------------------------|-------------------------|-----|--------|-------|-----|
| 邻苯二甲酸二丁酯 (DBP)              | 84-74-2                 | 0.1 | %(w/w) | 0.005 | ND  |
| 邻苯二甲酸丁酯苄酯 (BBP)             | 85-68-7                 | 0.1 | %(w/w) | 0.005 | ND  |
| 邻苯二甲酸二(2-乙基己基)酯 (DEHP)      | 117-81-7                | 0.1 | %(w/w) | 0.005 | ND  |
| 邻苯二甲酸二异丁酯 (DIBP)            | 84-69-5                 | 0.1 | %(w/w) | 0.005 | ND  |
| (DBP + BBP + DEHP+DIBP) 总含量 | -                       | 0.1 | %(w/w) | -     | ND  |
| 邻苯二甲酸二异壬酯 (DINP)            | 28553-12-0 / 68515-48-0 | -   | %(w/w) | 0.005 | ND  |
| 邻苯二甲酸二正辛酯 (DNOP)            | 117-84-0                | -   | %(w/w) | 0.005 | ND  |
| 邻苯二甲酸二异癸酯 (DIDP)            | 26761-40-0 / 68515-49-1 | -   | %(w/w) | 0.005 | ND  |
| (DINP + DNOP + DIDP) 总含量    | -                       | 0.1 | %(w/w) | -     | ND  |
| 评论                          |                         |     |        |       | 符合  |

备注:

(1) DBP、BBP、DEHP、DIBP参考信息: 欧盟决议(EC) No 1907/2006 REACH 附录XVII及其修正法案(EU) 2018/2005 第51条:

i) 不允许DBP、BBP、DEHP、DIBP单一质量浓度或质量浓度总和等于或高于0.1%的可塑性物料用于玩具



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Guangzhou Branch, SGS-CSI Chemical Laboratory

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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第6页,共13页

和儿童护理品。

ii) 当玩具和儿童护理品中的可塑性物料含DBP、BBP、DEHP单一质量浓度或质量浓度总和等于或高于0.1%时,不得投放市场。另外,当玩具和儿童护理品中的可塑性物料含DIBP单一质量浓度或DBP、BBP、DEHP、DIBP质量浓度总和等于或高于0.1%时,2020年7月7日后不得投放市场。

iii) 当成品中的可塑性物料含DBP、BBP、DEHP、DIBP单一质量浓度或质量浓度总和等于或高于0.1%时,2020年7月7日后不得投放市场。

详细信息请参见Regulation (EU) 2018/2005

(2) DINP、DNOP、DIDP参考信息: 欧盟决议(EC) No 1907/2006 REACH 附录XVII及修正法案(EU) 2015/326 第52条:

i) 不允许DINP、DNOP、DIDP质量浓度高于0.1%的可塑性物料用于可放入儿童口中的玩具和儿童护理品。

ii) 当可放入儿童口中的玩具和儿童护理品中的可塑性物料含DINP, DNOP, DIDP质量浓度高于0.1%时,不得投放市场。

详细信息请参见Regulation (EU) 2015/326

## 六溴环十二烷(HBCDD)

测试方法: SGS 内部方法(GZTC CHEM-TOP-073, 参考EPA 3550C:2007和EPA 8270E:2017), 采用GC-MS进行分析。

| 测试项目                                                                      | CAS NO.                                                              | 单位    | MDL | 001 |
|---------------------------------------------------------------------------|----------------------------------------------------------------------|-------|-----|-----|
| 六溴环十二烷(HBCDD) 及其非对映异构体( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | 25637-99-4<br>3194-55-6<br>134237-50-6<br>134237-51-7<br>134237-52-8 | mg/kg | 10  | ND  |

除非另有说明,此报告结果仅对测试的样品负责。本报告未经本公司书面许可,不可部分复制。检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的,仅供内部参考。



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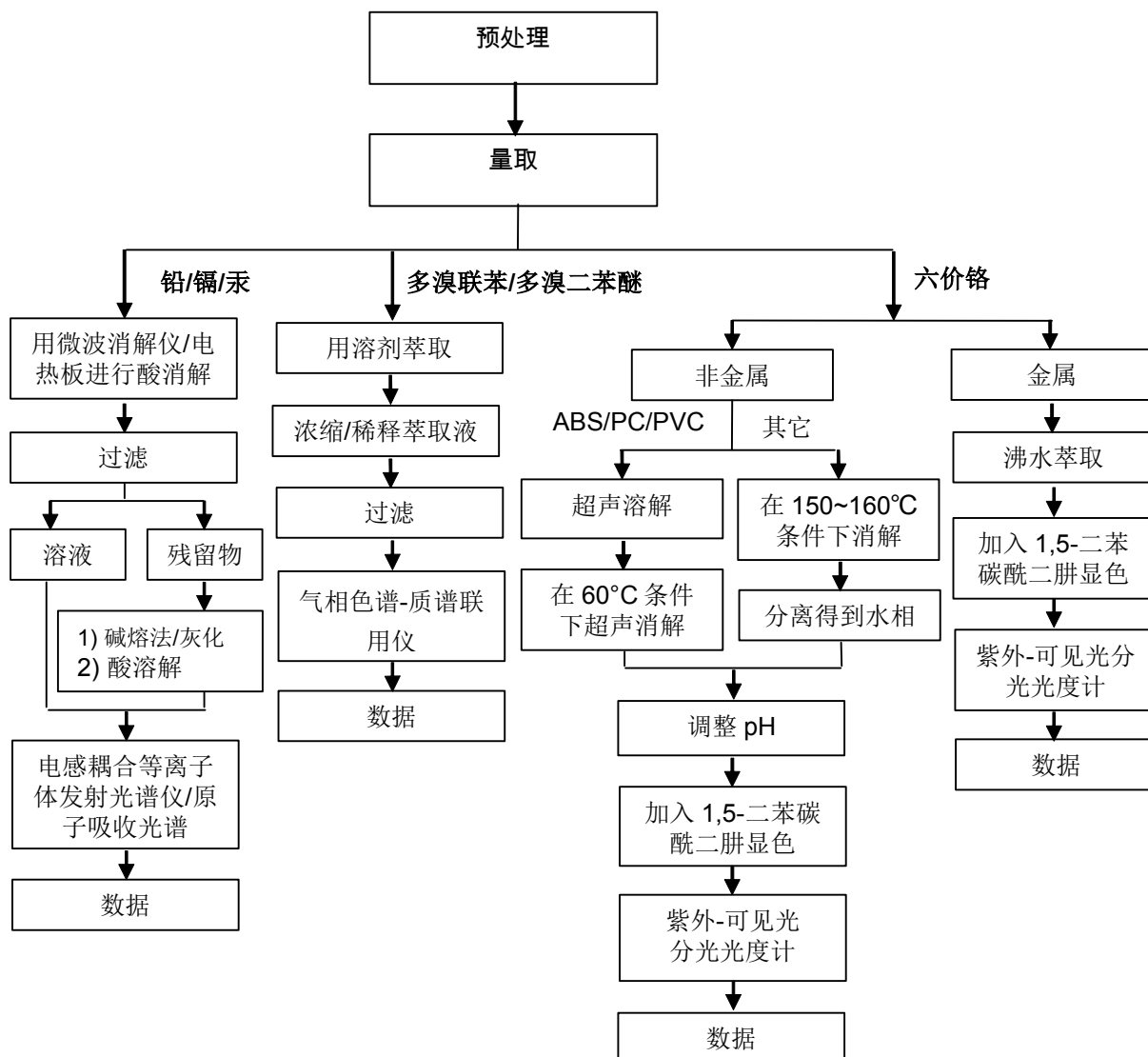
198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663  
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## 附件

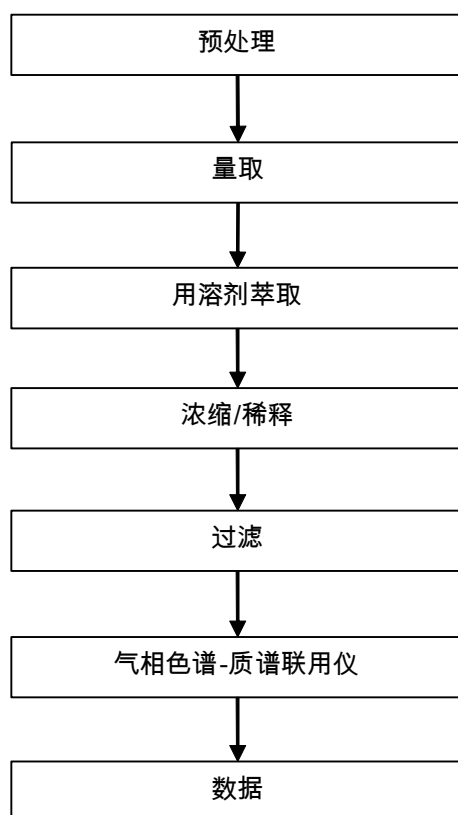
Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs 测试流程图

1) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚测试除外)。



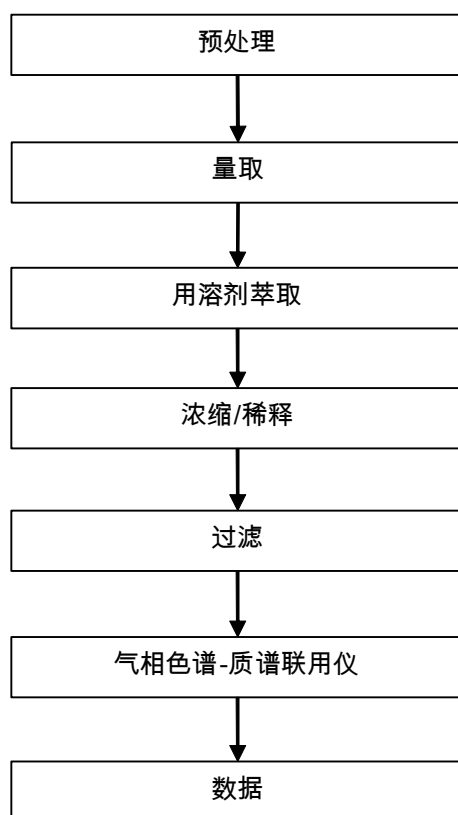
## 附件

## Phthalates 测试流程图



## 附件

### Phthalates 测试流程图

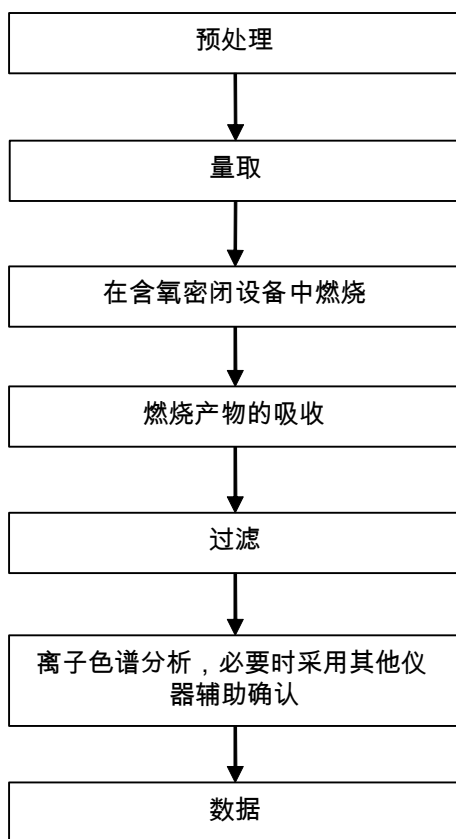


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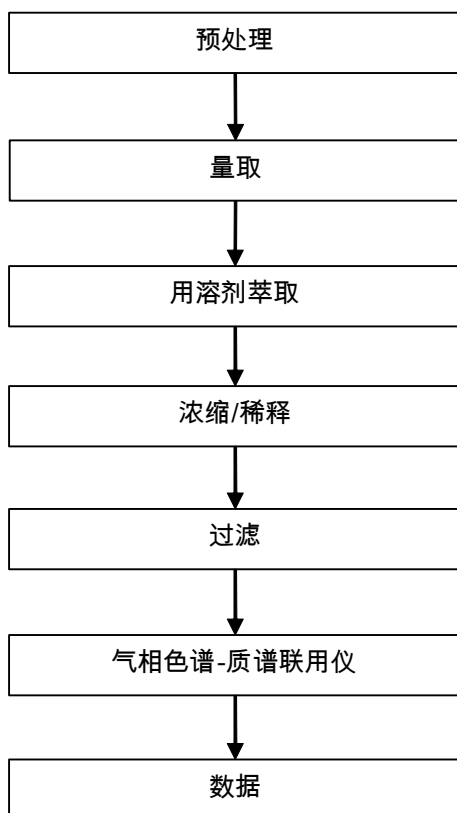
## 附件

## Halogen 测试流程图



附件

## HBCDD 测试流程图

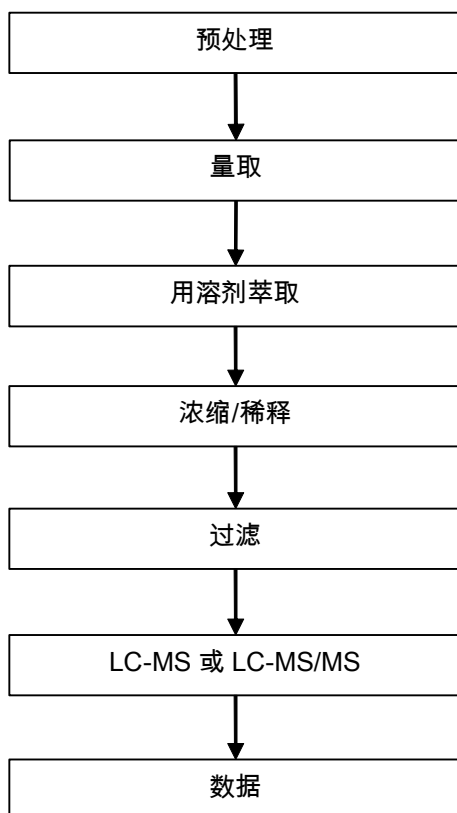


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附件

## PFOA / PFOS 测试流程图



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## 测试报告

No. CANEC2100148704

日期: 2021年01月09日 第13页,共13页

样品照片:



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\*\*\* 报告完 \*\*\*



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## Test Report

No. SHAEC2123391317

Date: 03 Nov 2021

Page 1 of 9

KUN SHAN CNHOTECH TECHNOLOGY CO.,LTD.

BLOCKD,FENGGUAN TNDUSTRIAL PARK,NO.88 DONGQIU ROAD,ZHANGPU TOWN,KUNSHAN CITY

The following sample(s) was/were submitted and identified on behalf of the clients as : White Releasing Paper

SGS Job No. : SP21-033569 - SH

Date of Sample Received : 28 Oct 2021

Testing Period : 28 Oct 2021 - 03 Nov 2021

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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

Carol Luo

Carol Luo  
Approved Signatory

scan to see the report



FB17BF78



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
Testing Center-China

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## Test Report

No. SHAEC2123391317

Date: 03 Nov 2021

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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description         |
|--------------|------------------|---------------------|
| SN1          | SHA21-233913.005 | White release paper |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s)                 | Limit | Unit  | MDL | 005 |
|------------------------------|-------|-------|-----|-----|
| Cadmium (Cd)                 | 100   | mg/kg | 2   | ND  |
| Lead (Pb)                    | 1000  | mg/kg | 2   | ND  |
| Mercury (Hg)                 | 1000  | mg/kg | 2   | ND  |
| Hexavalent Chromium (Cr(VI)) | 1000  | mg/kg | 8   | ND  |
| Sum of PBBs                  | 1000  | mg/kg | -   | ND  |
| Monobromobiphenyl            | -     | mg/kg | 5   | ND  |
| Dibromobiphenyl              | -     | mg/kg | 5   | ND  |
| Tribromobiphenyl             | -     | mg/kg | 5   | ND  |
| Tetrabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Pentabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Hexabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Heptabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Octabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Nonabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Decabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Sum of PBDEs                 | 1000  | mg/kg | -   | ND  |
| Monobromodiphenyl ether      | -     | mg/kg | 5   | ND  |
| Dibromodiphenyl ether        | -     | mg/kg | 5   | ND  |
| Tribromodiphenyl ether       | -     | mg/kg | 5   | ND  |
| Tetrabromodiphenyl ether     | -     | mg/kg | 5   | ND  |



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## Test Report

No. SHAEC2123391317

Date: 03 Nov 2021

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| <u>Test Item(s)</u>               | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>005</u> |
|-----------------------------------|--------------|-------------|------------|------------|
| Pentabromodiphenyl ether          | -            | mg/kg       | 5          | ND         |
| Hexabromodiphenyl ether           | -            | mg/kg       | 5          | ND         |
| Heptabromodiphenyl ether          | -            | mg/kg       | 5          | ND         |
| Octabromodiphenyl ether           | -            | mg/kg       | 5          | ND         |
| Nonabromodiphenyl ether           | -            | mg/kg       | 5          | ND         |
| Decabromodiphenyl ether           | -            | mg/kg       | 5          | ND         |
| Di-butyl Phthalate (DBP)          | 1000         | mg/kg       | 50         | ND         |
| Benzyl Butyl Phthalate (BBP)      | 1000         | mg/kg       | 50         | ND         |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 1000         | mg/kg       | 50         | ND         |
| Diisobutyl Phthalates (DIBP)      | 1000         | mg/kg       | 50         | ND         |

### Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.  
IEC 62321 series is equivalent to EN 62321 series  
[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (2) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

### Halogen

Test Method : With reference to EN 14582: 2016 , analysis was performed by IC.

| <u>Test Item(s)</u> | <u>Unit</u> | <u>MDL</u> | <u>005</u> |
|---------------------|-------------|------------|------------|
| Fluorine (F)        | mg/kg       | 50         | ND         |
| Chlorine (Cl)       | mg/kg       | 50         | 250        |
| Bromine (Br)        | mg/kg       | 50         | ND         |
| Iodine (I)          | mg/kg       | 50         | ND         |



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Testing Center - China (Shanghai) Co., Ltd.

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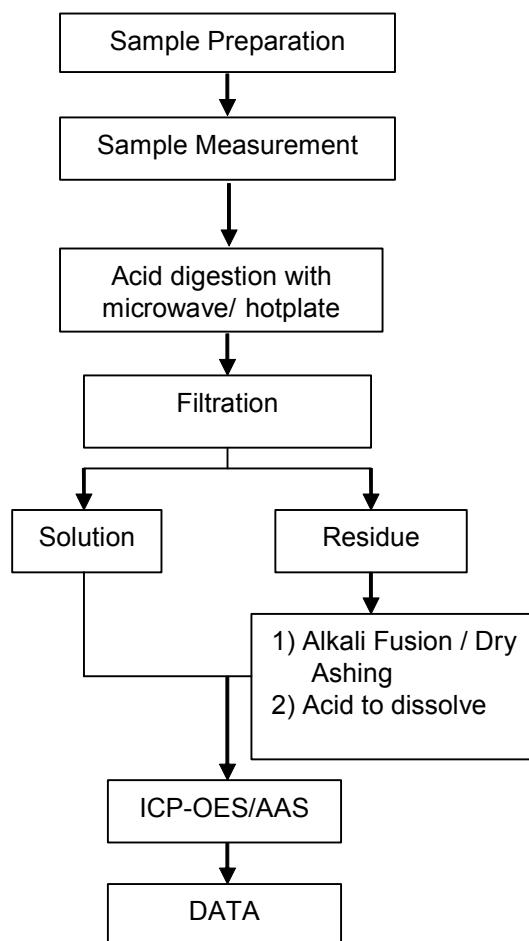
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## ATTACHMENTS

### Elements (IEC62321) Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart.

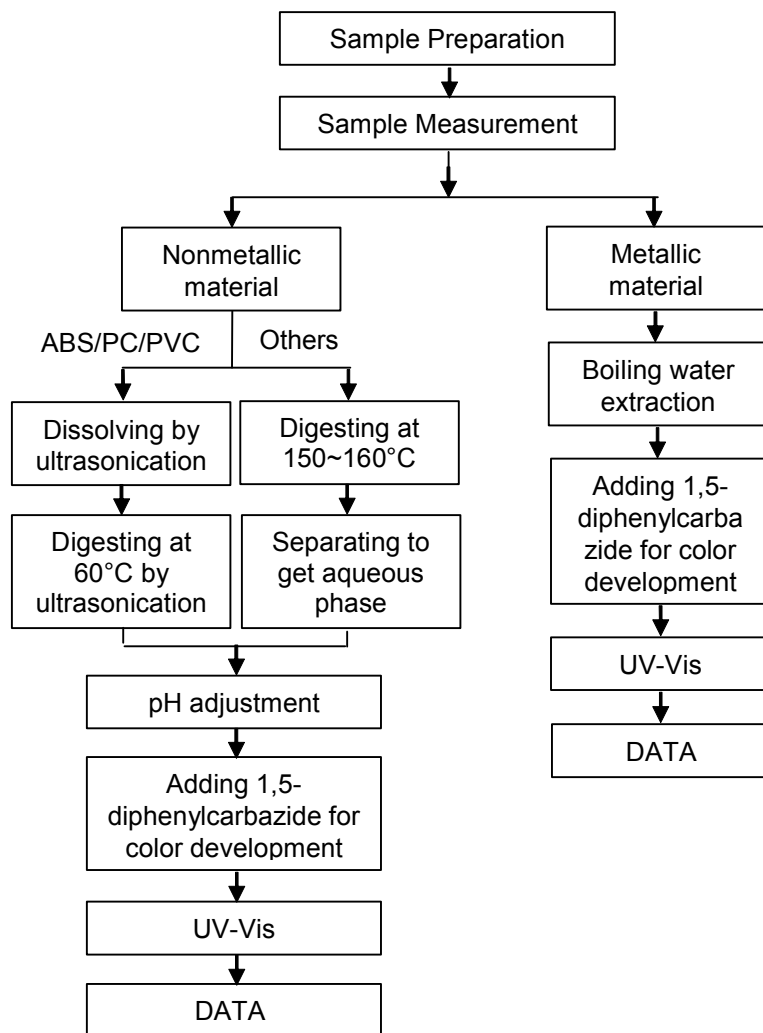


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## ATTACHMENTS

### Hexavalent Chromium (Cr(VI)) Testing Flow Chart

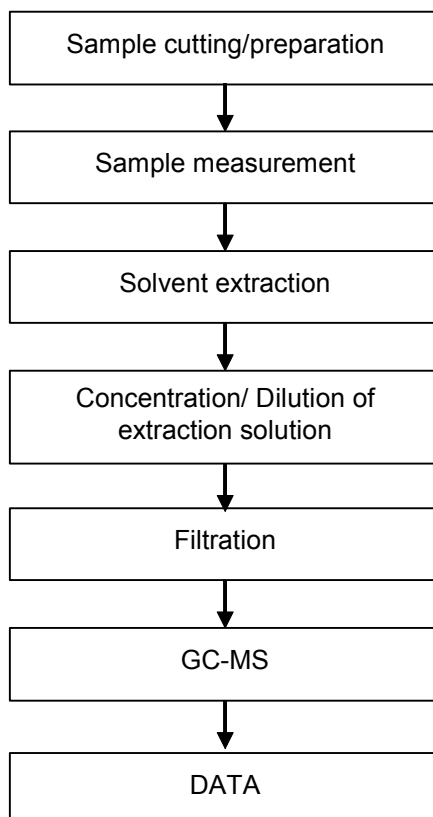


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## ATTACHMENTS

### PBBs/PBDEs Testing Flow Chart

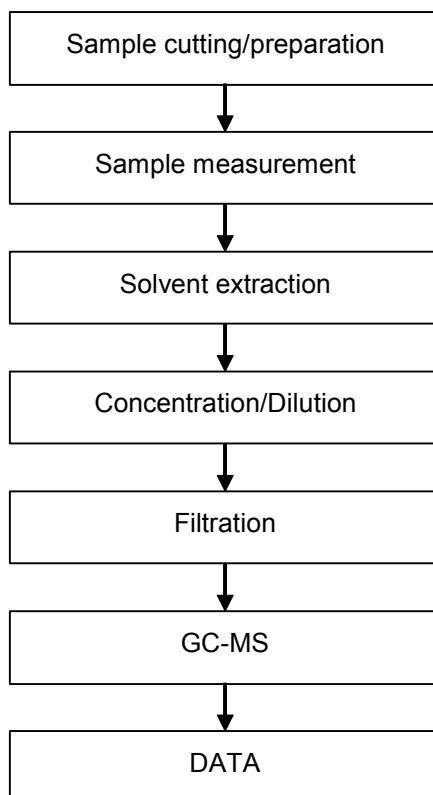


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## ATTACHMENTS

### Phthalates Testing Flow Chart

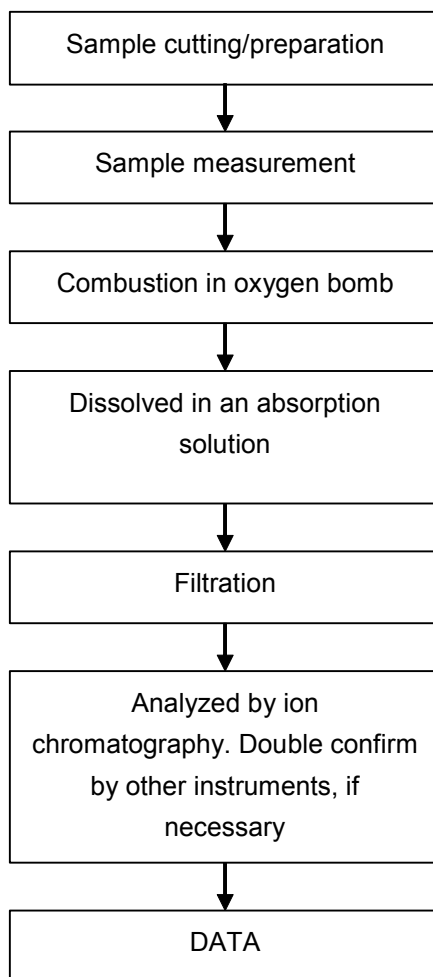


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## ATTACHMENTS

### Halogen Testing (oxygen bomb) Flow Chart



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中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn  
t HL (86-21) 61402594 f HL (86-21) 61156899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## Test Report

No. SHAEC2123391317

Date: 03 Nov 2021

Page 9 of 9

Sample photo:



SGS authenticate the photo on original report only

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Testing Center (China) Co., Ltd.

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t HL (86-21) 61402594 f HL (86-21) 61156899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

# Test Report



Page 1 of 7

Report No. A2210413876101001

Company Name KUNSHAN FANKANG TECHNOLOGY CO., LTD.  
shown on Report

Address NO.508 HUANGPUJIANGBEI ROAD ZHOUSHI TOWN.KUNSHAN CITY.JIANGSU  
PROVINCE.P.R.CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name Double faced adhesive tape  
Part No. HF-DS Series  
Sample Received Date Oct. 9. 2021  
Testing Period Oct. 9. 2021 to Oct. 13. 2021

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Hexabromocyclododecane (HBCDD), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).



Tested by

Ge Xiaohua

Approved by

Chen Kaimin

Chen kaimin

Lab Manager

Reviewed by

Gou Cuili

Date

Oct. 13. 2021

No. R509601110

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No.1351, Wanfang Road, Minhang District, Shanghai, China

# Test Report

Report No. A2210413876101001

Page 2 of 7

## Test Method

| Test Item(s)                           | Test Method                                                                   | Measured Equipment(s) |
|----------------------------------------|-------------------------------------------------------------------------------|-----------------------|
| Lead (Pb)                              | IEC 62321-5:2013                                                              | ICP-OES               |
| Cadmium (Cd)                           | IEC 62321-5:2013                                                              | ICP-OES               |
| Mercury (Hg)                           | IEC 62321-4:2013+AMD1:2017 CSV                                                | ICP-OES               |
| Hexavalent Chromium (Cr(VI))           | IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013 | UV-Vis/ICP-OES        |
| Polybrominated Biphenyls (PBBs)        | IEC 62321-6:2015                                                              | GC-MS                 |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015                                                              | GC-MS                 |
| Phthalates (DBP, BBP, DEHP, DIBP)      | IEC 62321-8:2017                                                              | GC-MS                 |
| Hexabromocyclododecane (HBCDD)         | Refer to US EPA 3550C:2007 & US EPA 8270E:2018*                               | GC-MS                 |
| Fluorine (F)                           | Refer to EN 14582:2016                                                        | IC                    |
| Chlorine (Cl)                          | Refer to EN 14582:2016                                                        | IC                    |
| Bromine (Br)                           | Refer to EN 14582:2016                                                        | IC                    |
| Iodine (I)                             | Refer to EN 14582:2016                                                        | IC                    |
| Perfluorooctane Sulfonates (PFOS)      | Refer to US EPA 3550C:2007 & US EPA 8321B:2007*                               | LC-MS-MS/LC-MS        |
| Perfluorooctanoic Acid (PFOA)          | Refer to US EPA 3550C:2007 & US EPA 8321B:2007*                               | LC-MS-MS/LC-MS        |

# Test Report

Report No. A2210413876101001

Page 3 of 7

## Test Result(s)

| Tested Item(s)                                 | Result | MDL     |
|------------------------------------------------|--------|---------|
| Lead(Pb)                                       | N.D.   | 2 mg/kg |
| Cadmium(Cd)                                    | N.D.   | 2 mg/kg |
| Mercury(Hg)                                    | N.D.   | 2 mg/kg |
| Hexavalent Chromium(Cr(VI))                    | N.D.   | 8 mg/kg |
| Tested Item(s)                                 | Result | MDL     |
| <b>Polychlorinated Biphenyls (PCBs)</b>        |        |         |
| Monochlorobiphenyl                             | N.D.   | 5 mg/kg |
| Dichlorobiphenyl                               | N.D.   | 5 mg/kg |
| Trichlorobiphenyl                              | N.D.   | 5 mg/kg |
| Tetrachlorobiphenyl                            | N.D.   | 5 mg/kg |
| Pentachlorobiphenyl                            | N.D.   | 5 mg/kg |
| Hexachlorobiphenyl                             | N.D.   | 5 mg/kg |
| Heptachlorobiphenyl                            | N.D.   | 5 mg/kg |
| Octachlorobiphenyl                             | N.D.   | 5 mg/kg |
| Nonachlorobiphenyl                             | N.D.   | 5 mg/kg |
| Decachlorobiphenyl                             | N.D.   | 5 mg/kg |
| Tested Item(s)                                 | Result | MDL     |
| <b>Polychlorinated Diphenyl Ethers (PCDEs)</b> |        |         |
| Monochlorodiphenyl ether                       | N.D.   | 5 mg/kg |
| Dichlorodiphenyl ether                         | N.D.   | 5 mg/kg |
| Trichlorodiphenyl ether                        | N.D.   | 5 mg/kg |
| Tetrachlorodiphenyl ether                      | N.D.   | 5 mg/kg |
| Pentachlorodiphenyl ether                      | N.D.   | 5 mg/kg |
| Hexachlorodiphenyl ether                       | N.D.   | 5 mg/kg |
| Heptachlorodiphenyl ether                      | N.D.   | 5 mg/kg |
| Octachlorodiphenyl ether                       | N.D.   | 5 mg/kg |
| Nonachlorodiphenyl ether                       | N.D.   | 5 mg/kg |
| Decachlorodiphenyl ether                       | N.D.   | 5 mg/kg |

## Test Report

Report No. A2210413876101001

Page 4 of 7

## Test Result(s)

| Tested Item(s)                                     | Result | MDL      |
|----------------------------------------------------|--------|----------|
| <b>Phthalates (DBP, BBP, DEHP, DIBP)</b>           |        |          |
| Dibutyl phthalate(DBP)<br>CAS#:84-74-2             | N.D.   | 50 mg/kg |
| Butyl benzyl phthalate(BBP)<br>CAS#:85-68-7        | N.D.   | 50 mg/kg |
| Di-(2-ethylhexyl) phthalate(DEHP)<br>CAS#:117-81-7 | N.D.   | 50 mg/kg |
| Diisobutyl phthalate(DIBP)<br>CAS#:84-69-5         | N.D.   | 50 mg/kg |
| <b>Tested Item(s)</b>                              |        |          |
| Hexabromocyclododecane(HBCDD)                      | N.D.   | 5 mg/kg  |
| <b>Tested Item(s)</b>                              |        |          |
| Fluorine(F)                                        | N.D.   | 10 mg/kg |
| Chlorine(Cl)                                       | N.D.   | 10 mg/kg |
| Bromine(Br)                                        | N.D.   | 10 mg/kg |
| Iodine(I)                                          | N.D.   | 10 mg/kg |
| <b>Tested Item(s)</b>                              |        |          |
| Perfluorooctane Sulfonates(PFOS)                   | N.D.   | 5 mg/kg  |
| <b>Tested Item(s)</b>                              |        |          |
| Perfluorooctanoic Acid(PFOA)                       | N.D.   | 5 mg/kg  |

Sample/Part Description White translucent adhesive

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (&lt;MDL)

-mg/kg = ppm = parts per million

Note: “\*” indicates the method(s) is (are) not in CNAS accreditation scope.

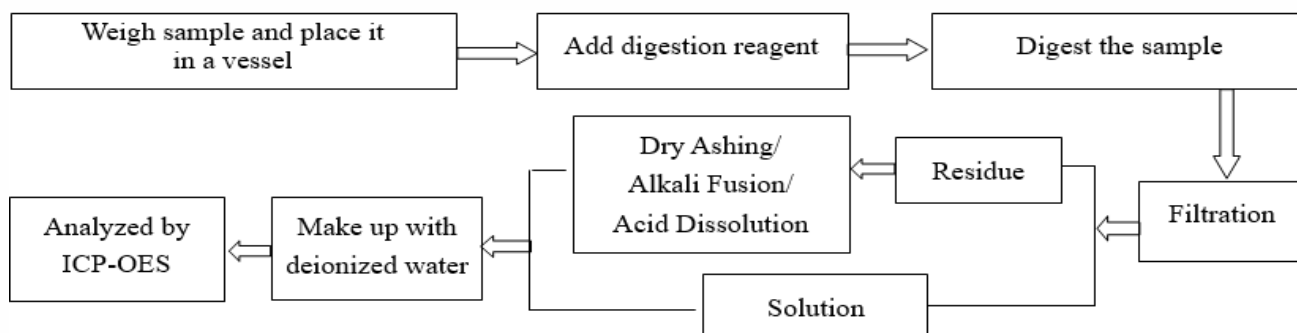
# Test Report

Report No. A2210413876101001

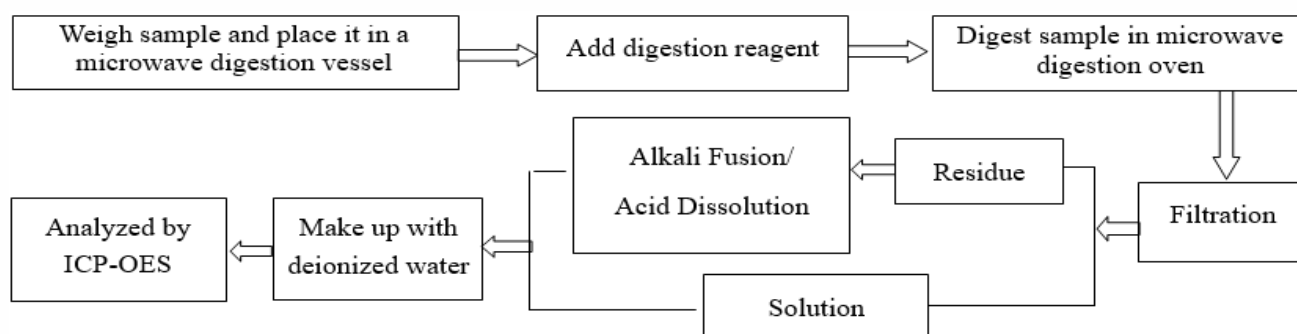
Page 5 of 7

## Test Process

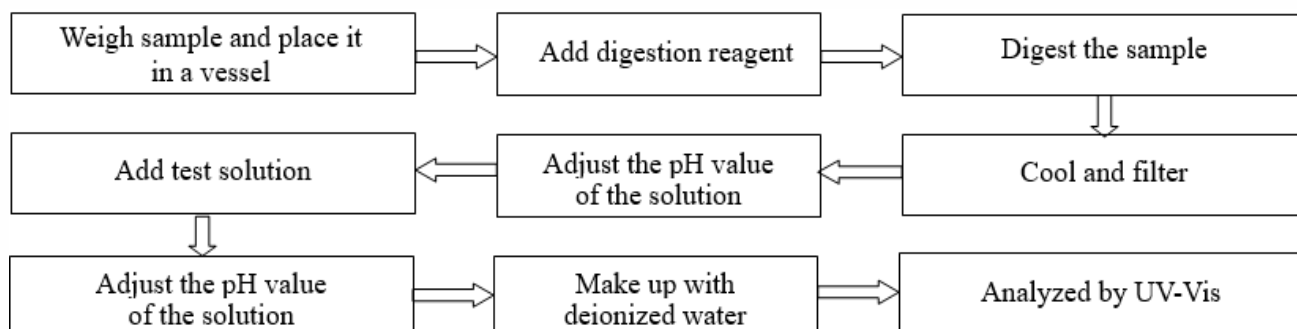
### 1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



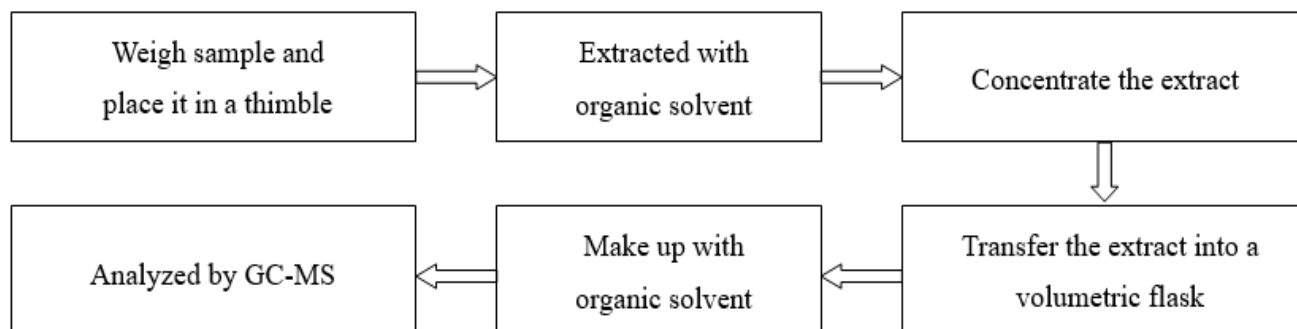
### 2. Mercury (Hg)



### 3. Hexavalent Chromium (Cr(VI))



### 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

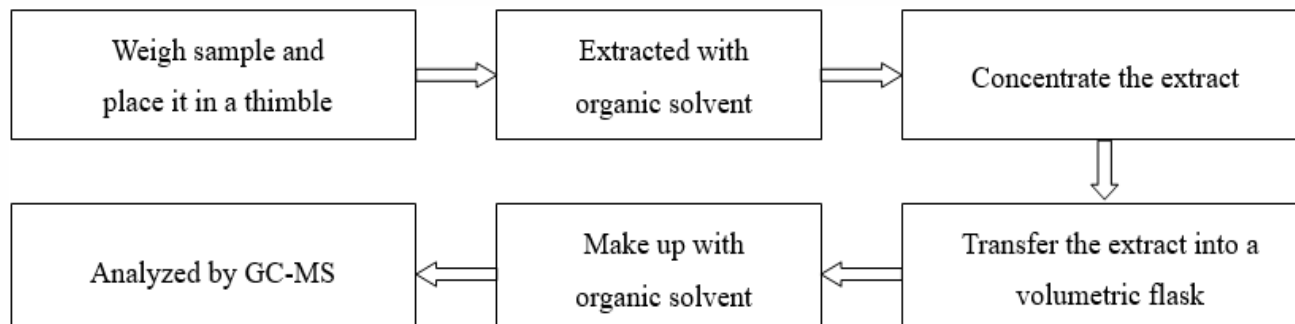


# Test Report

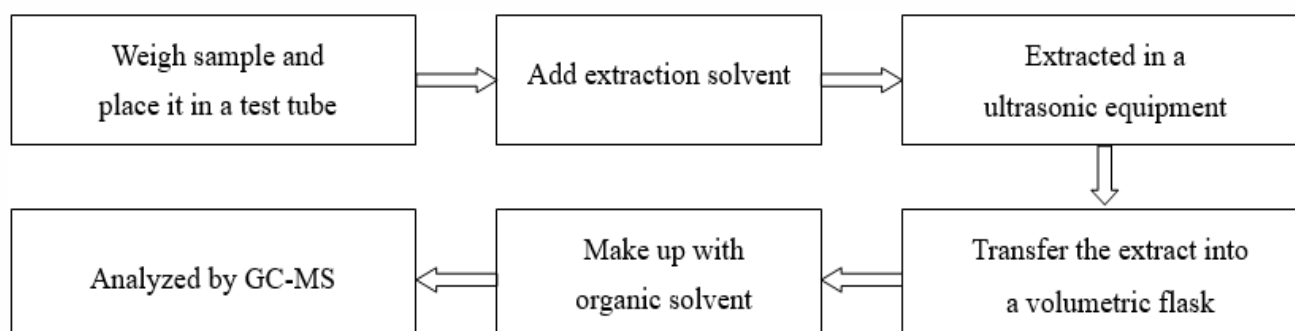
Report No. A2210413876101001

Page 6 of 7

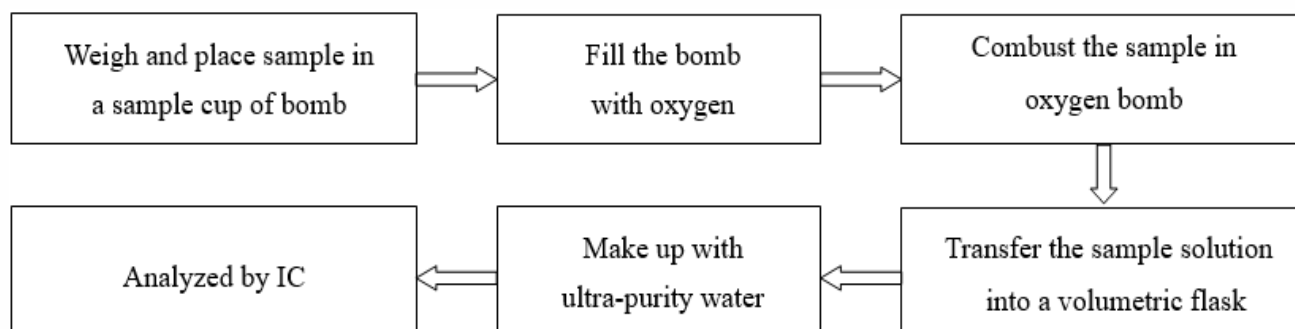
## 5. Phthalates (DBP, BBP, DEHP, DIBP)



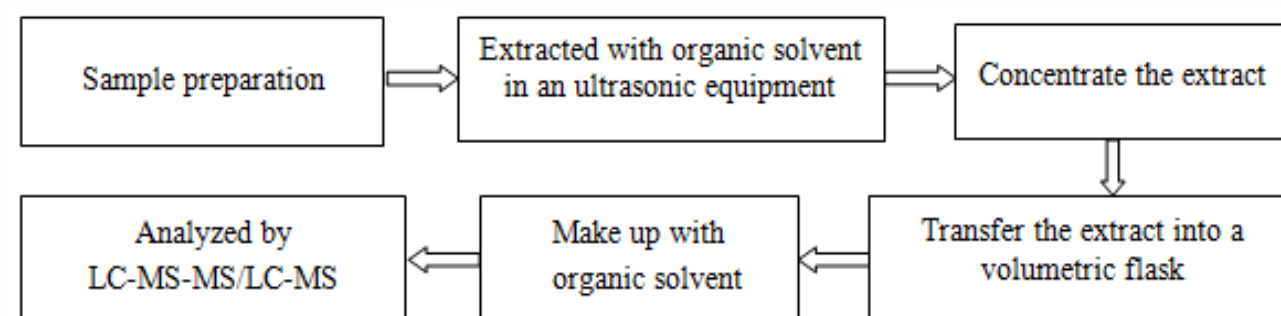
## 6. Hexabromocyclododecane (HBCDD)



## 7. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



## 8. Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA)



## Test Report

Report No. A2210413876101001

Page 7 of 7

### Photo(s) of the sample(s)



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## **Appendix**

### **Client Reference Information**

HF-DS 05/10/15.....

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2. The Appendix Information is/are the supplement(s) for the Report A2210413876101001.

# Test Report



Page 1 of 4

Report No. A2220006081101010

Company Name DAIKIN FLUOROCHEMICALS(CHINA)CO., LTD.

shown on Report

Address NO.8 JINYU ROAD(WEST). ADVANCED MATERIALS INDUSTRIAL PARK.  
CHANGSHU. JIANGSU215522. CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name NEOFロン FEP

Part No. NP-101

Sample Received Date Jan. 6. 2022

Testing Period Jan. 6. 2022 to Jan. 11. 2022

Test Requested As specified by client. to test Perfluorooctane Sulfonates(PFOS) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).



Tested by

Wu shu qiang

Approved by

Song Yan

Song Yan

Technical Manager

Reviewed by

Jiang Hong

Date

Jan. 11. 2022

No. R403801490

Centre Testing International(Suzhou) Co.,Ltd

No.3286Chengvang Road. Xiancheng District. Suzhou.Jiangsu

Test Report

Report No. A2220006081101010 Page 2 of 4

Test Method

|                                  |                                |                       |
|----------------------------------|--------------------------------|-----------------------|
| Test Item(s)                     | Test Method                    | Measured Equipment(s) |
| Perfluorooctane Sulfonates(PFOS) | Refer to DIN CEN/TS 15968:2010 | LC-MS-MS              |

Test Result(s)

|                                  |        |            |
|----------------------------------|--------|------------|
| Tested Item(s)                   | Result | MDL        |
| Perfluorooctane Sulfonates(PFOS) | N.D.   | 0.01 mg/kg |

Sample/Part Description Colorless transparent plastic particle

Remark: -MDL = Method Detection Limit  
-N.D. = Not Detected (<MDL )  
-mg/kg = ppm = parts per million

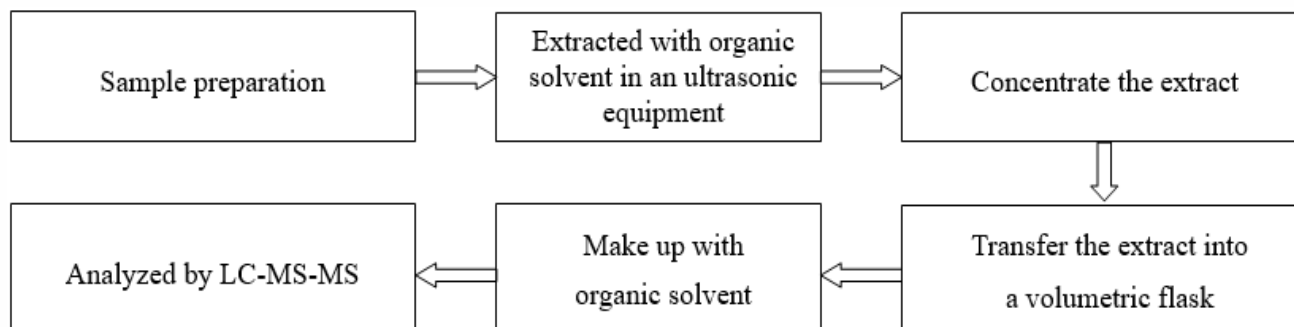


## Test Report

Report No. A2220006081101010

Page 3 of 4

### Test Process



## Test Report

Report No. A2220006081101010

Page 4 of 4

### Photo(s) of the sample(s)



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# Test Report



Page 1 of 4

Report No. A2210544071101007

Company Name DAIKIN FLUOROCHEMICALS(CHINA)CO., LTD.

shown on Report

Address NO.8 JINYU ROAD(WEST), ADVANCED MATERIALS INDUSTRIAL PARK,  
CHANGSHU, JIANGSU215522, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name NEOFLON FEP  
Part No. NP-3180  
Sample Received Date Dec. 23, 2021  
Testing Period Dec. 23, 2021 to Dec. 28, 2021

Test Requested As specified by client, to test Perfluorooctanoic Acid(PFOA) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).



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with the PFOA statment),invalid for other purposes.



Tested by

Wu Shu Qiang

Approved by

Song Yan

Song Yan

Technical Manager

Reviewed by

Jiang Hong

Date

Dec. 28, 2021

No. R403808344

Centre Testing International(Suzhou) Co.,Ltd

No.3286Chengyang Road, Xiangcheng District, Suzhou,Jiangsu

## Test Report

**Report No.** A2210544071101007

Page 2 of 4

**Test Method**

| Test Item(s)                 | Test Method                    | Measured Equipment(s) |
|------------------------------|--------------------------------|-----------------------|
| Perfluorooctanoic Acid(PFOA) | Refer to DIN CEN/TS 15968:2010 | LC-MS-MS              |

**Test Result(s)**

| Tested Item(s)               | Result | MDL        |
|------------------------------|--------|------------|
| Perfluorooctanoic Acid(PFOA) | N.D.   | 0.01 mg/kg |

**Sample/Part Description** Colorless transparent plastic particle

**Remark:**

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL )
- mg/kg = ppm = parts per million



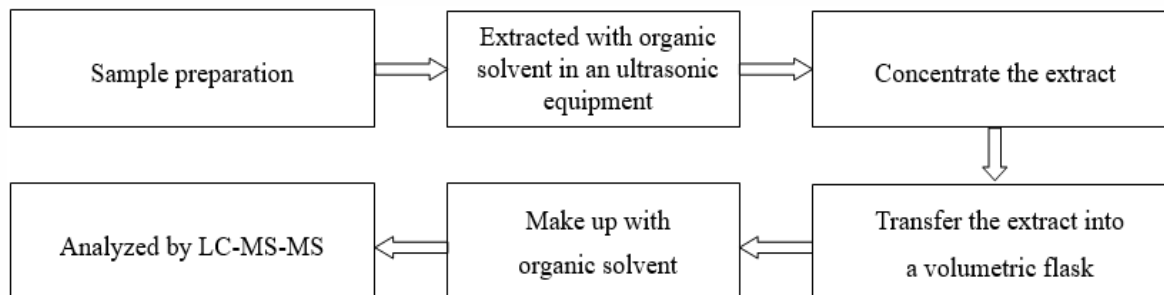
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## Test Report

Report No. A2210544071101007

Page 3 of 4

### Test Process



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(Suzhou) Co., Ltd.  
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VICIS

## Test Report

Report No. A2210544071101007

Page 4 of 4

### Photo(s) of the sample(s)



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有限公司

## Test Report

No. SHAEC2203753903

Date: 10 Mar 2022

Page 1 of 11

Client Name : COLORANT CHROMATICS TRADING(SHANGHAI)CO.,LTD

Client Address : 2F,BLOCK C,VI-HUB@JINQIAO,200 JINSU ROAD,PUDONG,SHANGHAI

Sample Name : FEP Colormasterbatch

Lot No. : 6952666

Client Ref. Information : 100.00/102.00/103.00/108.00/113.00/142.00/143.00/152.00/153.00/158.00/190.00/192.00/193.00/198.00/S203.0/S243.0/S245.0/STR1625/STR1962

The above sample(s) and information were provided by the client.

SGS Job No. : SP22-005867 - SH

Date of Sample Received : 04 Mar 2022

Testing Period : 04 Mar 2022 - 10 Mar 2022

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

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

Carol Luo

Carol Luo  
Approved Signatory

scan to see the report



313833CC



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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description        |
|--------------|------------------|--------------------|
| SN1          | SHA22-037539.001 | Black solid pellet |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### Element(s)

Test Method : With reference to ASTM D 4004-06(2017), analysis was performed by ICP-OES.

| Test Item(s)  | Unit  | MDL | 001 |
|---------------|-------|-----|-----|
| Antimony (Sb) | mg/kg | 50  | ND  |

### Hexabromocyclododecane (HBCDD/HBCD)

Test Method : With reference to US EPA 3550C: 2007, analysis was performed by GC-MS.

| Test Item(s)           | CAS NO.     | Unit  | MDL | 001 |
|------------------------|-------------|-------|-----|-----|
| Hexabromocyclododecane | 25637-99-4/ | mg/kg | 10  | ND  |
| (HBCDD/HBCD)           | 3194-55-6   |       |     |     |

### Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)

Test Method : With reference to ISO 18219: 2015, analysis was performed by GC-NCI-MS



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| Test Item(s)                                                       | Unit  | MDL | 001 |
|--------------------------------------------------------------------|-------|-----|-----|
| Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP) | mg/kg | 50  | ND  |

### Perfluorooctanesulfonate (PFOS) and its derivatives and Perfluorooctanoic Acid (PFOA)

Test Method : With reference to CEN/TS 15968:2010, analysis is performed by HPLC-MS or LC-MS-MS.

| Test Item(s)                                                | CAS NO.    | Unit  | MDL  | 001 |
|-------------------------------------------------------------|------------|-------|------|-----|
| Perfluorooctane sulfonates (PFOS) and its derivatives       |            | mg/kg | -    | ND  |
| Perfluorooctane Sulfonates (PFOS)^                          | 1763-23-1  | mg/kg | 0.01 | ND  |
| 2-(N-methylperfluoro-1-octanesulfonamido)- ethanol (MeFOSE) | 24448-09-7 | mg/kg | 0.01 | ND  |
| 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE)   | 1691-99-2  | mg/kg | 0.01 | ND  |
| N-methylperfluoro-1-octanesulfonamide (MeFOSA)              | 31506-32-8 | mg/kg | 0.01 | ND  |
| N-ethylperfluoro-1-octanesulfonamide (EtFOSA)               | 4151-50-2  | mg/kg | 0.01 | ND  |
| Perfluorooctane Sulfonamide (PFOSA)                         | 754-91-6   | mg/kg | 0.01 | ND  |
| Perfluorooctanoic Acid (PFOA) and its salts+                |            | mg/kg | 0.01 | ND  |

#### Notes :

- (1) + PFOA refer to its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1);  
 (2) ^ PFOS including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (CAS No.: 56773-42-3), PFOS-DDA (CAS No.: 251099-16-8) and POSF (CAS No.: 307-35-7)

### Polycyclic aromatic hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

| Test Item(s)              | Unit  | MDL | 001 |
|---------------------------|-------|-----|-----|
| Benzo(a)pyrene(BaP)       | mg/kg | 0.1 | ND  |
| Benzo(e)pyrene(BeP)       | mg/kg | 0.1 | ND  |
| Benzo(a)anthracene(BaA)   | mg/kg | 0.1 | ND  |
| Benzo(b)fluoranthene(BbF) | mg/kg | 0.1 | ND  |
| Benzo(j)fluoranthene(BjF) | mg/kg | 0.1 | ND  |
| Benzo(k)fluoranthene(BkF) | mg/kg | 0.1 | ND  |



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| Test Item(s)                                                              | Unit  | MDL | 001 |
|---------------------------------------------------------------------------|-------|-----|-----|
| Chrysene(CHR)                                                             | mg/kg | 0.1 | ND  |
| Dibenzo(a,h)anthracene(DBA)                                               | mg/kg | 0.1 | ND  |
| Benzo(g,h,i)perylene(BPE)                                                 | mg/kg | 0.1 | ND  |
| Indeno(1,2,3-c,d)pyrene(IPY)                                              | mg/kg | 0.1 | ND  |
| Phenanthrene(PHE)                                                         | mg/kg | 0.1 | ND  |
| Pyrene(PYR)                                                               | mg/kg | 0.1 | ND  |
| Anthracene(ANT)                                                           | mg/kg | 0.1 | ND  |
| Fluoranthene(FLT)                                                         | mg/kg | 0.1 | ND  |
| Sum of Phenanthrene(PHE), Pyrene(PYR), Anthracene(ANT), Fluoranthene(FLT) | mg/kg | -   | ND  |
| Naphthalene(NAP)                                                          | mg/kg | 0.1 | ND  |
| Sum of 15 PAHs                                                            | mg/kg | -   | ND  |

### AfPS ( German commission for Product Safety ) : PAHs requirements

| Parameter<br>Unit : mg/kg                                              | Category 1                                                                                                                                                                                                                                                   | Category 2         |                            | Category 3         |                            |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|--------------------|----------------------------|
|                                                                        | Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use<br>-in toys according to Directive 2009/48/EC or<br>-for the use by children <sup>a,b</sup> up to 3 years of age. | a. use by children | b. other consumer products | a. use by children | b. other consumer products |
| Benzo(a)pyrene (BaP)                                                   | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(e)pyrene (BeP)                                                   | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(a)anthracene (BaA)                                               | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(b)fluoranthene (BbF)                                             | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(j)fluoranthene (BjF)                                             | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(k)fluoranthene (BkF)                                             | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Chrysene (CHR)                                                         | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Dibenzo(a,h)anthracene (DBA)                                           | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Benzo(g,h,i)perylene (BPE)                                             | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Indeno(1,2,3-cd)pyrene (IPY)                                           | < 0.2                                                                                                                                                                                                                                                        | < 0.2              | < 0.5                      | < 0.5              | < 1                        |
| Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT) | < 1 Sum                                                                                                                                                                                                                                                      | < 5 Sum            | < 10 Sum                   | < 20 Sum           | < 50 Sum                   |
| Naphthalene (NAP)                                                      | < 1                                                                                                                                                                                                                                                          | < 2                |                            | < 10               |                            |
| Sum of 15 PAHs                                                         | < 1                                                                                                                                                                                                                                                          | < 5                | < 10                       | < 20               | < 50                       |

Note:

<sup>a</sup> A "Child" is legally defined as a person before reaching the age of 14 years.

<sup>b</sup> Use by children includes both active and passive contact by children.

<sup>c</sup> Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)

<sup>d</sup> According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

**Remark:** The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.



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### Phthalates Content

Test Method : With reference to EN 14372:2004, analysis was performed by GC-MS.

| Test Item(s)                                                                    | CAS NO.     | Unit | MDL   | 001 |
|---------------------------------------------------------------------------------|-------------|------|-------|-----|
| Diisononyl Phthalate (DINP)                                                     | 28553-12-0  | %    | 0.01  | ND  |
|                                                                                 | /68515-48-0 |      |       |     |
| Di-n-octyl Phthalate (DNOP)                                                     | 117-84-0    | %    | 0.003 | ND  |
| Diisodecyl Phthalate (DIDP)                                                     | 26761-40-0  | %    | 0.01  | ND  |
|                                                                                 | /68515-49-1 |      |       |     |
| Dimethyl Phthalate (DMP)                                                        | 131-11-3    | %    | 0.003 | ND  |
| Diethyl Phthalate (DEP)                                                         | 84-66-2     | %    | 0.003 | ND  |
| Bis(2-methoxyethyl) Phthalate (DMEP)                                            | 117-82-8    | %    | 0.003 | ND  |
| Diisopentylphthalate (DIPP)                                                     | 605-50-5    | %    | 0.003 | ND  |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4  | %    | 0.01  | ND  |
| Diisoheptyl phthalate (DIHP)                                                    | 71888-89-6  | %    | 0.01  | ND  |
| Di-n-hexyl Phthalate (DnHP)                                                     | 84-75-3     | %    | 0.003 | ND  |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear               | 84777-06-0  | %    | 0.01  | ND  |



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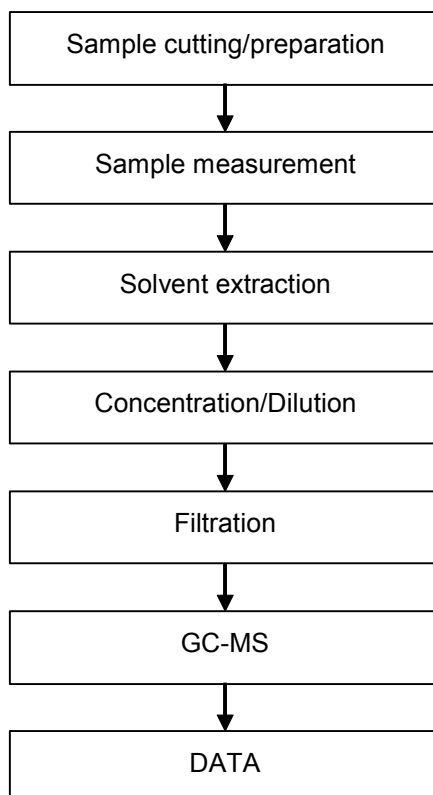
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### Phthalates Testing Flow Chart

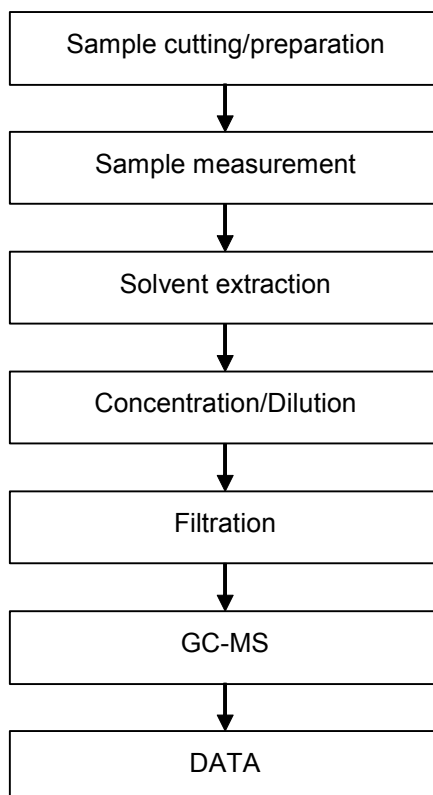


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### HBCDD Testing Flow Chart

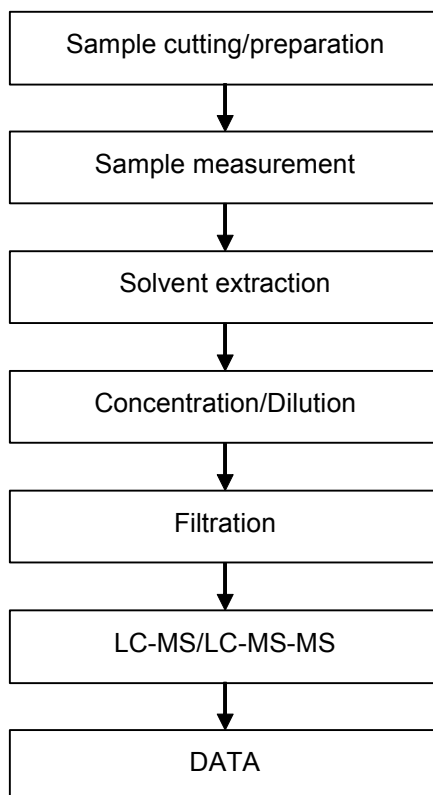


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### PFASs/ PFOS/PFOA Testing Flow Chart

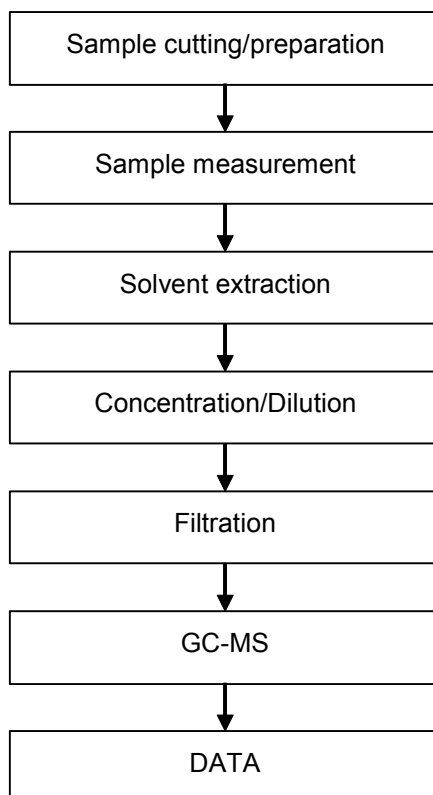


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### PAHs Testing Flow Chart

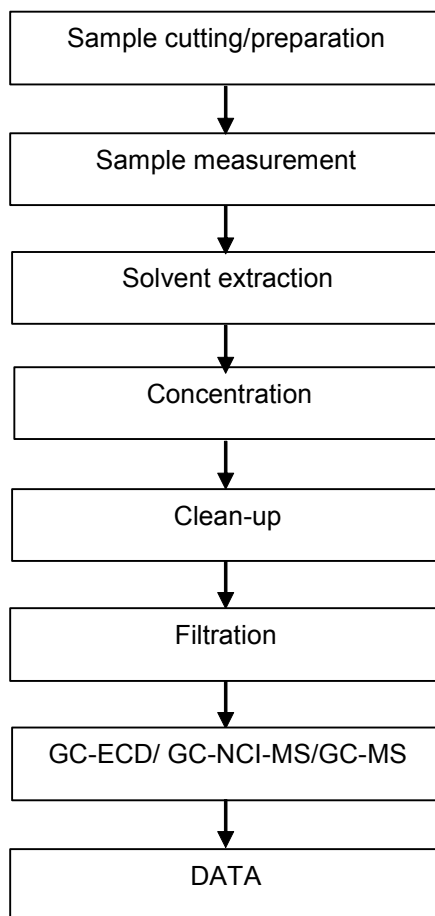


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### Chlorinated Paraffin Testing Flow Chart



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Sample photo:



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## Test Report

No. SHAEC2203756101

Date: 10 Mar 2022

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Client Name : COLORANT CHROMATICS TRADING(SHANGHAI)CO.,LTD

Client Address : 2F,BLOCK C,VI-HUB@JINQIAO,200 JINSU ROAD,PUDONG,SHANGHAI

Sample Name : FEP Colormasterbatch

Lot No. : 6952666

Client Ref. Information : 100.00/102.00/103.00/108.00/113.00/142.00/143.00/152.00/153.00/158.00/190.00/192.00/193.00/198.00/S203.0/S243.0/S245.0/STR1625/STR1962

The above sample(s) and information were provided by the client.

SGS Job No. : SP22-005867 - SH

Date of Sample Received : 04 Mar 2022

Testing Period : 04 Mar 2022 - 10 Mar 2022

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

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

Jenny Lan

Jenny Lan  
Approved Signatory

scan to see the report



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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description        |
|--------------|------------------|--------------------|
| SN1          | SHA22-037561.001 | Black solid pellet |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### Halogen

Test Method : With reference to EN 14582: 2016 , analysis was performed by IC.

| Test Item(s)  | Unit  | MDL | 001     |
|---------------|-------|-----|---------|
| Fluorine (F)  | mg/kg | 50  | >100000 |
| Chlorine (Cl) | mg/kg | 50  | ND      |
| Bromine (Br)  | mg/kg | 50  | ND      |
| Iodine (I)    | mg/kg | 50  | ND      |



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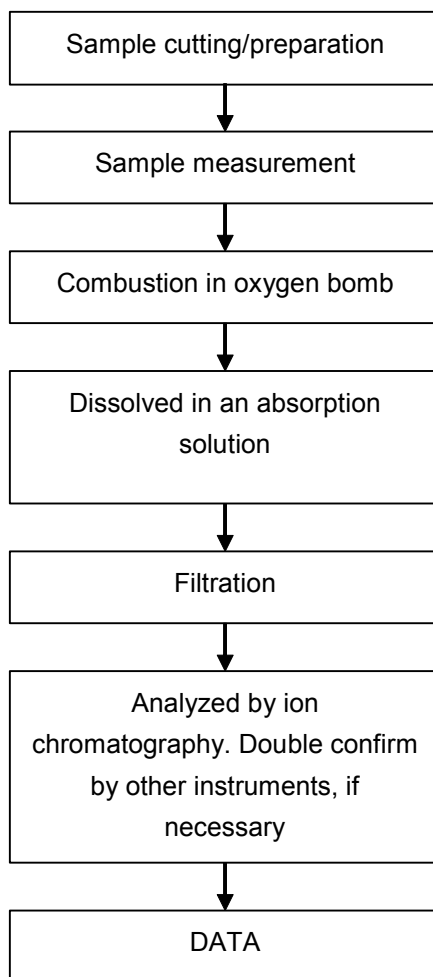
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## ATTACHMENTS

### Halogen Testing (oxygen bomb) Flow Chart



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