

# 检测报告 Test Report

报告编号 A2180023801101009E  
Report No. A2180023801101009E

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申请单位 东莞市恒彩塑胶颜料有限公司  
Applicant DONGGUAN HENGCAI PLASTIC PIGMENT LTD  
地址 东莞市凤岗镇黄洞村工业区  
Address HUANGDONG INDUSTRIAL ZONE, FENGGANG TOWN, DONGGUAN CITY.

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 client

样品名称 橙色母粒  
Sample Name Orange masterbatch  
样品颜色 橙色  
Color Orange  
材料名称 PE  
Material PE  
样品接收日期 2018.03.07  
Sample Received Date Mar. 7, 2018  
样品检测日期 2018.03.07-2018.03.10  
Testing Period Mar. 7, 2018 to Mar. 10, 2018

检测要求 根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。  
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) 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 邱玲  
Tested By

审 核 李丹娜  
Reviewed By

批 准 郑晴涛  
Approved

日 期 2018.03.10  
Date

郑晴涛  
技术经理 Technical Manager

No. R313935449

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检测依据 Test Method

| 测试项目<br>Test Item(s)                            | 测试方法<br>Test Method   | 测试仪器<br>Measured<br>Equipment(s) |
|---|---|----------------------------------|
| 铅<br>Lead(Pb)                                   | IEC 62321-5:2013  | ICP-OES                          |
| 镉<br>Cadmium(Cd)                                | IEC 62321-5:2013  | ICP-OES                          |
| 汞<br>Mercury(Hg)                                | IEC 62321-4:2013  | ICP-OES                          |
| 六价铬<br>Hexavalent Chromium(Cr(VI))              | IEC 62321-7-2: 2017和/或IEC 62321-5: 2013 测试总铬含量<br>IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013 | UV-Vis/ICP-OES                   |
| 多溴联苯<br>Polybrominated Biphenyls(PBBs)          | IEC 62321-6:2015  | GC-MS                            |
| 多溴二苯醚<br>Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015  | GC-MS                            |
| 邻苯二甲酸酯<br>Phthalates (DBP, BBP, DEHP, DIBP)     | IEC 62321-8:2017  | GC-MS                            |

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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 |
|---------------------------------|-----------|-----------|
| 铅 Lead(Pb)                      | N.D.      | 2 mg/kg   |
| 镉 Cadmium(Cd)                   | N.D.      | 2 mg/kg   |
| 汞 Mercury(Hg)                   | N.D.      | 2 mg/kg   |
| 六价铬 Hexavalent Chromium(Cr(VI)) | N.D.      | 8 mg/kg   |

| 测试项目 Tested Item(s)                        | 结果 Result | 方法检出限 MDL |
|--|-----------|-----------|
| <b>多溴联苯 Polybrominated Biphenyls(PBBs)</b> |           |           |
| 一溴联苯 Monobromobiphenyl                     | N.D.      | 5 mg/kg   |
| 二溴联苯 Dibromobiphenyl                       | N.D.      | 5 mg/kg   |
| 三溴联苯 Tribromobiphenyl                      | N.D.      | 5 mg/kg   |
| 四溴联苯 Tetrabromobiphenyl                    | N.D.      | 5 mg/kg   |
| 五溴联苯 Pentabromobiphenyl                    | N.D.      | 5 mg/kg   |
| 六溴联苯 Hexabromobiphenyl                     | N.D.      | 5 mg/kg   |
| 七溴联苯 Heptabromobiphenyl                    | N.D.      | 5 mg/kg   |
| 八溴联苯 Octabromobiphenyl                     | N.D.      | 5 mg/kg   |
| 九溴联苯 Nonabromobiphenyl                     | N.D.      | 5 mg/kg   |
| 十溴联苯 Decabromobiphenyl                     | N.D.      | 5 mg/kg   |

| 测试项目 Tested Item(s)                                 | 结果 Result | 方法检出限 MDL |
|---|-----------|-----------|
| <b>多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)</b> |           |           |
| 一溴二苯醚 Monobromodiphenyl ether                       | N.D.      | 5 mg/kg   |
| 二溴二苯醚 Dibromodiphenyl ether                         | N.D.      | 5 mg/kg   |
| 三溴二苯醚 Tribromodiphenyl ether                        | N.D.      | 5 mg/kg   |
| 四溴二苯醚 Tetrabromodiphenyl ether                      | N.D.      | 5 mg/kg   |
| 五溴二苯醚 Pentabromodiphenyl ether                      | N.D.      | 5 mg/kg   |
| 六溴二苯醚 Hexabromodiphenyl ether                       | N.D.      | 5 mg/kg   |
| 七溴二苯醚 Heptabromodiphenyl ether                      | N.D.      | 5 mg/kg   |
| 八溴二苯醚 Octabromodiphenyl ether                       | N.D.      | 5 mg/kg   |
| 九溴二苯醚 Nonabromodiphenyl ether                       | N.D.      | 5 mg/kg   |
| 十溴二苯醚 Decabromodiphenyl ether                       | N.D.      | 5 mg/kg   |

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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 |
|---|-----------|-----------|
| <b>邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)</b>                   |           |           |
| 邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)<br>CAS#:84-74-2                   | N.D.      | 50 mg/kg  |
| 邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate(BBP)<br>CAS#:85-68-7            | N.D.      | 50 mg/kg  |
| 邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate(DEHP)<br>CAS#:117-81-7 | N.D.      | 50 mg/kg  |
| 邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP)<br>CAS#:84-69-5              | N.D.      | 50 mg/kg  |

**测试样品/部位描述**

**Tested Sample/Part Description**

样品描述请参见照片

See the sample photo for your information

**备注:** 对于检测铅, 镉, 汞之样品已完全溶解。

-N.D. = 未检出 (小于方法检出限)

-mg/kg = ppm = 百万分之一

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

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

**注释:** 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:** 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

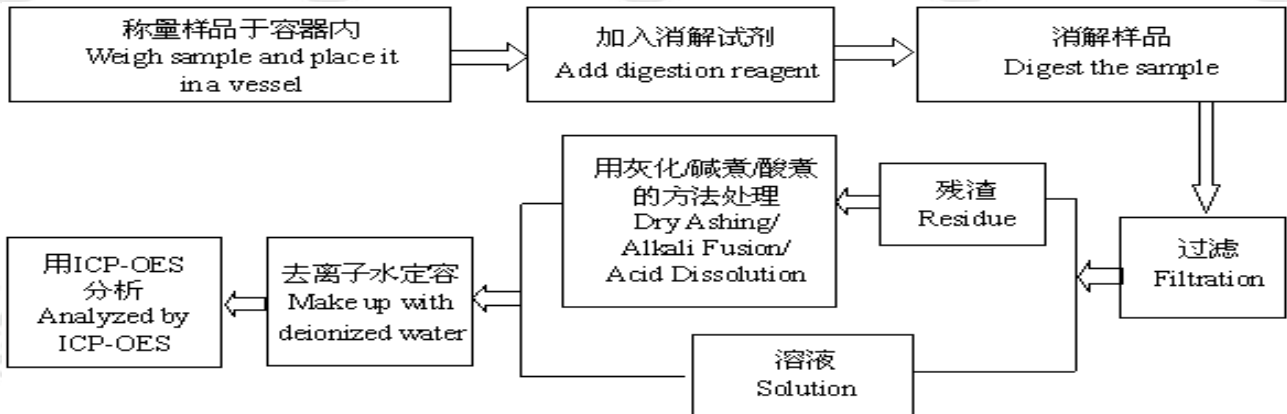
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## 检测流程 Test Process

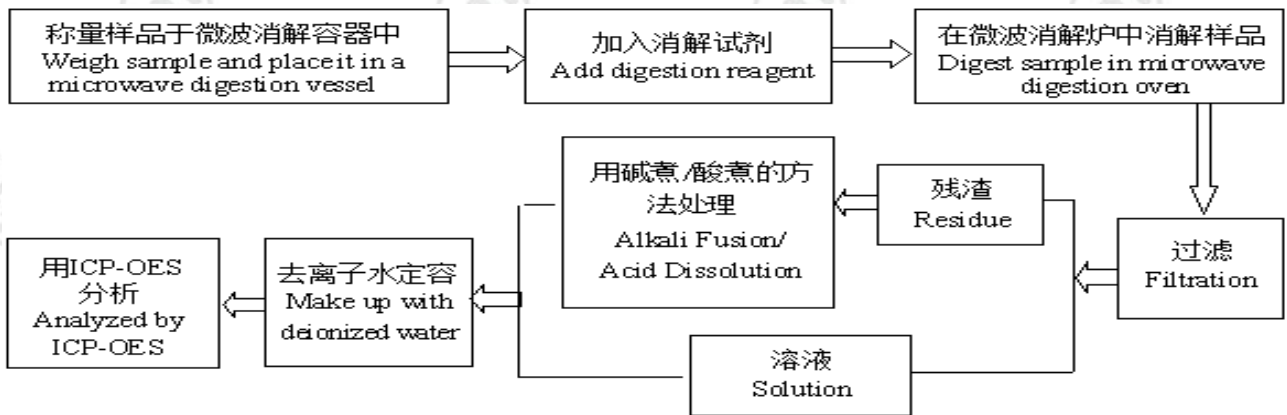
### 1. 铅(Pb), 镉(Cd), 铬(Cr)

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



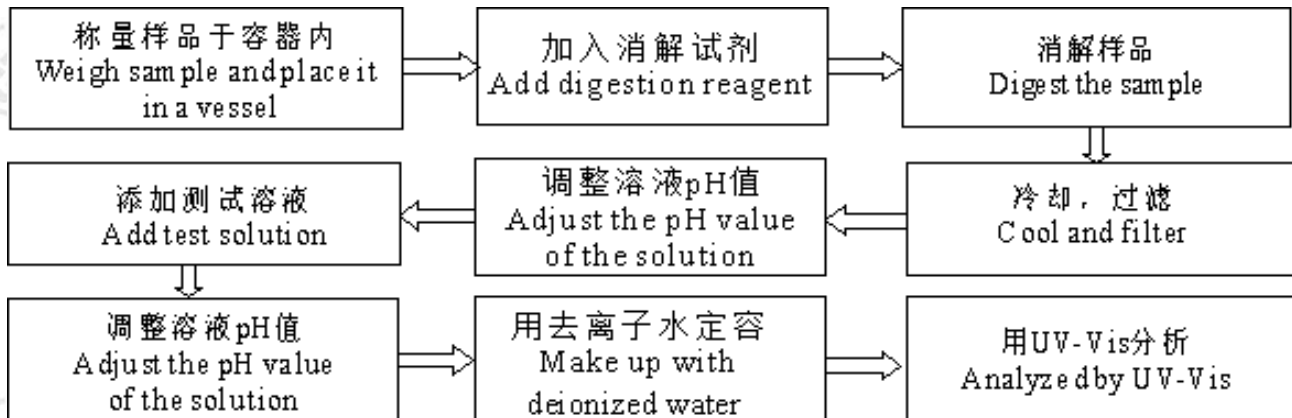
### 2. 汞(Hg)

#### Mercury(Hg)



### 3. 六价铬(Cr(VI))

#### Hexavalent Chromium(Cr(VI))



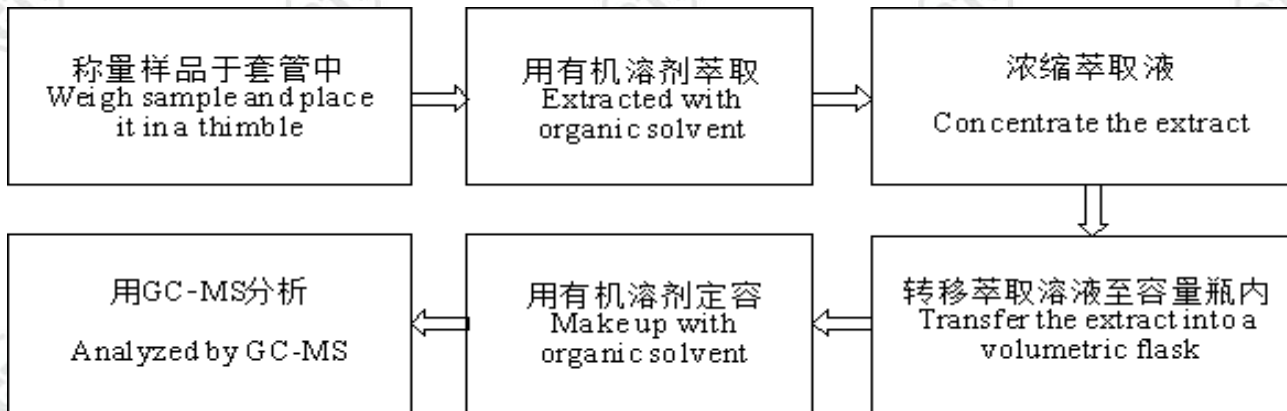
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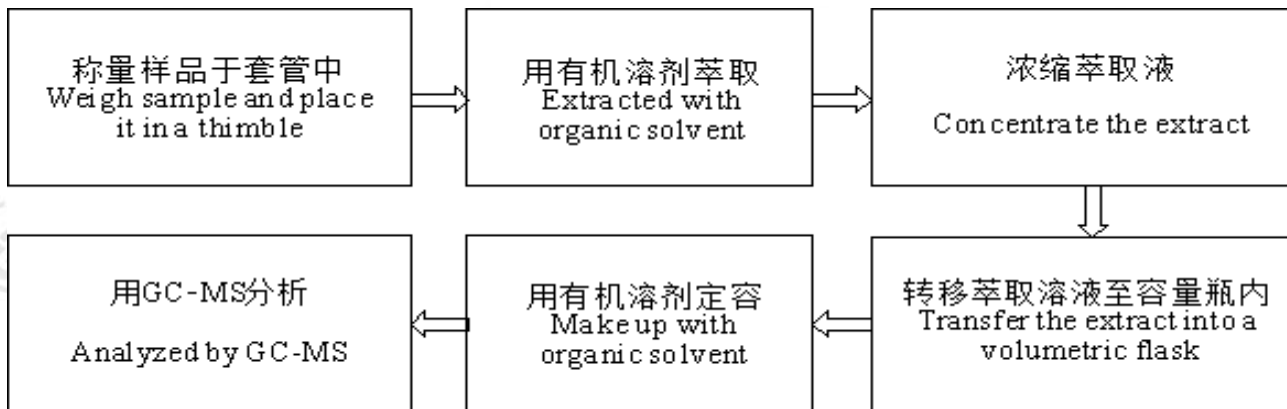
## 4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

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



## 5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)

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



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## 样品图片 Photo(s) of the sample(s)



\*\*\*报告结束\*\*\*  
\*\*\* End of report \*\*\*

### 声明Statement:

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效;  
This report is considered invalidated without approval signature, special seal and the seal on the perforation;
2. 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 sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对送测样品负责;  
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经CTI书面同意, 不得部分复制本报告;  
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