

## 测试报告

No. CANEC1620459002

日期: 2016年10月25日 第1页,共6页

深圳市联贺电子有限公司

深圳市龙岗区龙城街道黄阁路441号龙岗天安数码创新园一号厂房B1204-5

以下测试之样品是由申请者所提供及确认: 透明PET离型膜

SGS工作编号: CP16-063447 - SZ

型号: UG-25P

买家: 印刷线路软板制造商

客户参考信息: PET

样品接收日期: 2016年10月19日

测试周期: 2016年10月19日 - 2016年10月25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

结论: 基于所送样品进行的测试, 镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务有限公司广州分公司  
授权签名

杨谷毅

Echo Yeung杨谷毅  
批准签署人

备注: 本报告是编号为CANEC1620459001报告的中文版本。



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory

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测试结果:

### 测试样品描述:

| 样品编号 | SGS样品ID          | 描述      |
|------|------------------|---------|
| SN1  | CAN16-204590.001 | 透明塑胶片状物 |

备注:

- (1) 1 mg/kg = 1 ppm = 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:
- (1)参考IEC 62321-5:2013, 用ICP-OES测定镉的含量
  - (2)参考IEC 62321-5:2013, 用ICP-OES测定铅的含量
  - (3)参考IEC 62321-4:2013, 用ICP-OES测定汞的含量。
  - (4)参考IEC 62321:2008, 用紫外-可见分光光度计比色法测定六价铬的含量。
  - (5)参考IEC 62321-6:2015, 用GC-MS测定PBBs(多溴联苯)和PBDEs(多溴二苯醚)的含量。
  - (6) 参考IEC 62321-8 :2013(111/321/CD), 用GC-MS测定邻苯二甲酸酯的含量。

| 测试项目           | 限值    | 单位    | MDL | 001 |
|----------------|-------|-------|-----|-----|
| 镉 (Cd)         | 100   | mg/kg | 2   | ND  |
| 铅 (Pb)         | 1,000 | mg/kg | 2   | ND  |
| 汞 (Hg)         | 1,000 | mg/kg | 2   | ND  |
| 六价铬(Cr(VI))    | 1,000 | mg/kg | 2   | ND  |
| 多溴联苯之和(PBBs)   | 1,000 | 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) | 1,000 | mg/kg | -   | ND  |
| 一溴二苯醚          | -     | mg/kg | 5   | ND  |



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| 测试项目                  | 限值   | 单位    | MDL | 001 |
|-----------------------|------|-------|-----|-----|
| 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  |
| 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。



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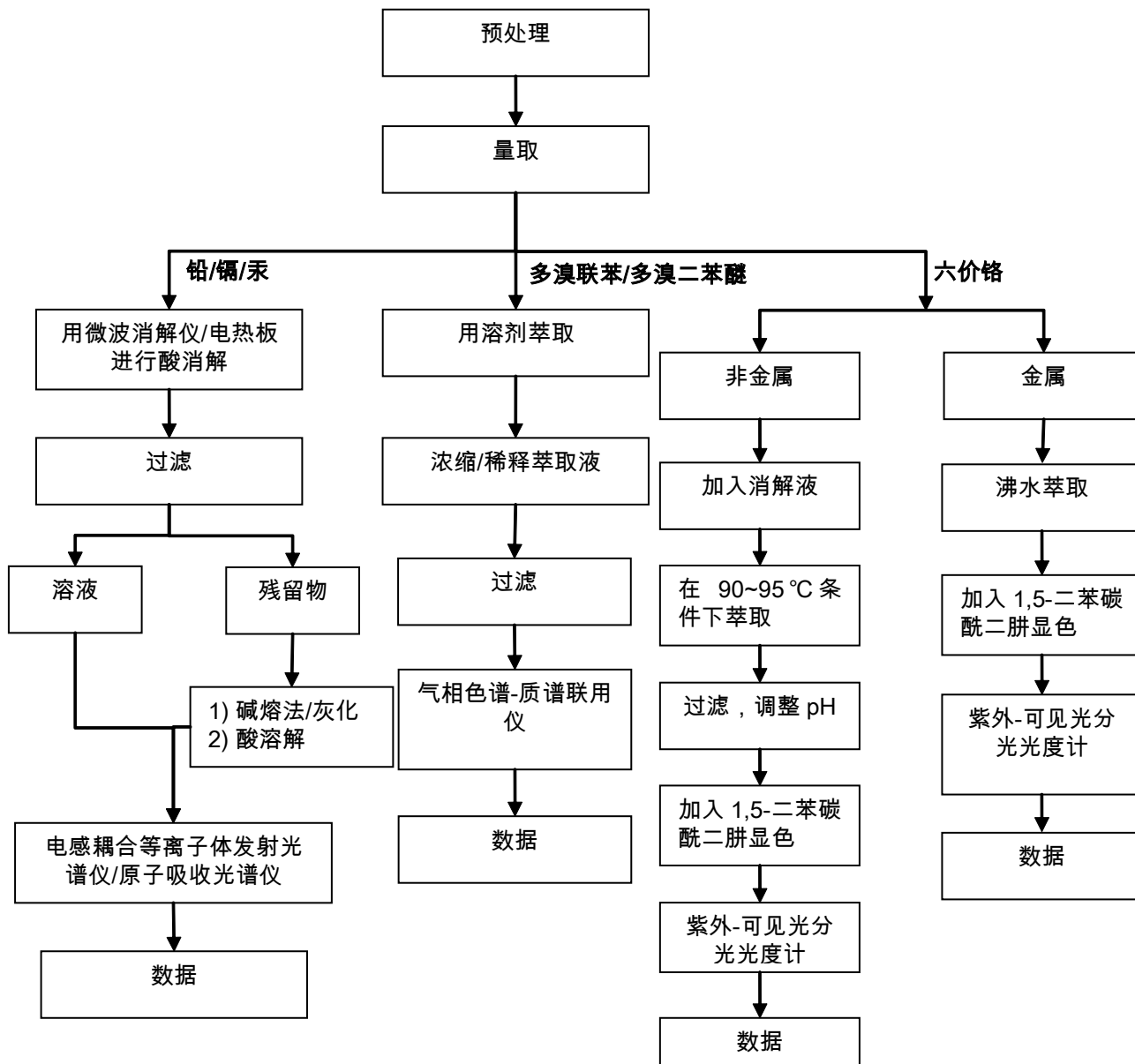
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## 附件

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

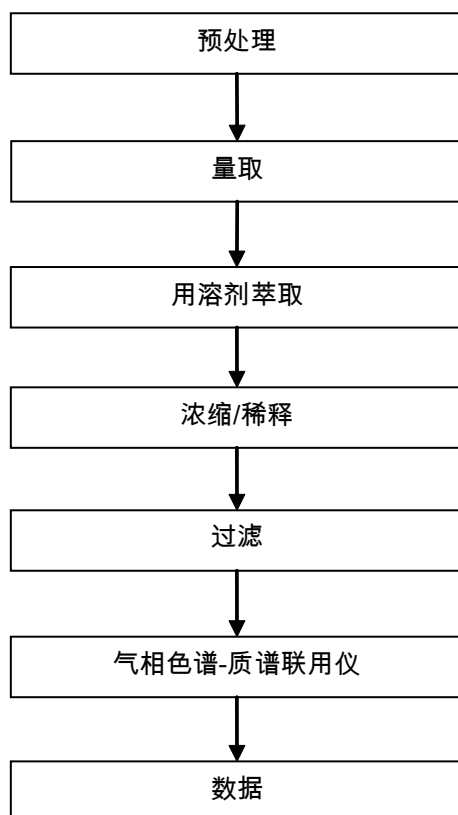
- 1) 分析人员: 张梓路 / 胡香云  
 2) 项目负责人: 汪丹 / 刘琼  
 3) 样品按照下述流程被完全消解 (六价铬和多溴联苯/多溴二苯醚测试除外)。



## 附件

## Phthalates 测试流程图

- 1) 分析人员: 胡香云  
2) 项目负责人: 刘琼

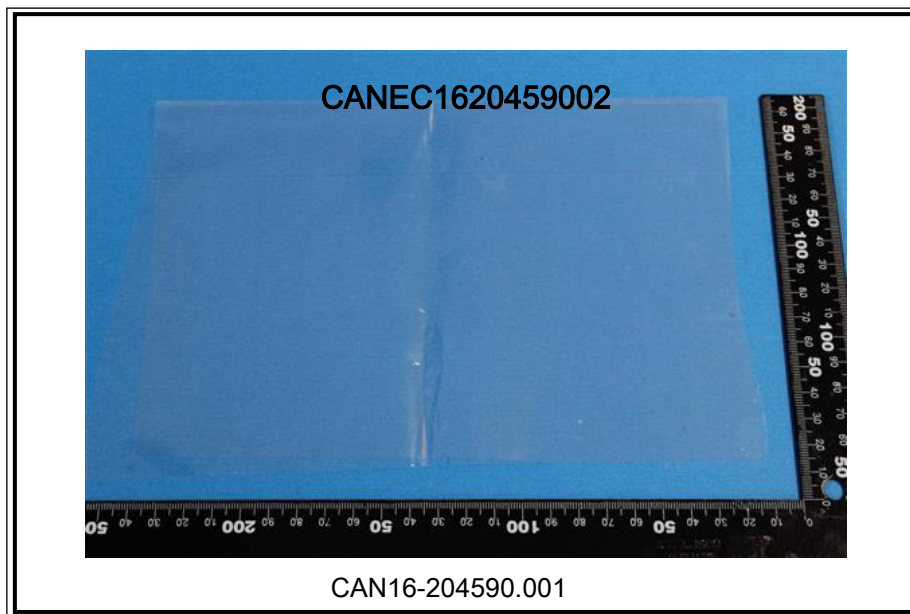


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样品照片:



此照片仅限于随SGS正本报告使用

\*\*\* 报告完 \*\*\*



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