

## 测试报告

No. CANEC1201836303 A01 日期: 2012年04月05日 第1页,共8页


东莞市同兴涂料有限公司  
中国广东省东莞市高埗镇广场北路

### 本报告取代测试报告CANEC1201836301

以下测试之样品是由申请者所提供及确认: 甲苯,二甲苯,三甲苯,四甲苯,白电油,丙酮,丁酮,环己酮,甲醇,乙醇,异丙醇,正丁醇,异丁醇,混丙醇,混丁醇,丁酯,乙酯,DAA,防白水,MIBK,CAC,DMF,异佛尔酮,PMA,苯乙烯,DBE,甲缩醛,混合酯 混合物

SGS工作编号: CP12-005510 - GZ  
样品接收日期: 2012年02月29日  
测试周期: 2012年02月29日 - 2012年03月08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: A:基于所送样品进行的测试, 铅、镉、汞、六价铬、多溴联苯、多溴二苯醚的测试结果符合欧盟RoHS指令2002/95/EC的重订指令2011/65/EU附录II的限值要求。

通标标准技术服务有限公司  
授权签名



Silva Zhou周北林

批准签署人

备注: 根据客户申请, SGS出具了此中文报告, 英文版本可根据客户要求提供. (The Chinese test report is issued according to the applicant's request. The English version is available from SGS if further needed)

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测试结果:

样品部件外观描述:

| 样品编号 | SGS样品ID          | 描述   |
|------|------------------|------|
| 1    | CAN12-018363.001 | 透明液体 |

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

## A:RoHS 指令 2011/65/EU

测试方法: 参考IEC 62321:2008:

- (1) 用ICP-OES测定镉的含量.
- (2) 用ICP-OES测定铅的含量.
- (3) 用ICP-OES测定汞的含量.
- (4) 用紫外-可见分光光度计比色法测定六价铬的含量.
- (5) 用GC-MS测定PBBs(多溴联苯)和PBDEs(多溴二苯醚)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  |

备注:

(1) 最大允许极限值引用自指令2011/65/EU 附录II

### B:卤素

测试方法: 参照EN 14582:2007方法测定, 采用IC进行分析.

| 测试项目   | 限值 | 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  |

### C:邻苯二甲酸盐(或酯)

测试方法: 参照EN 14372: 2004的方法测定, 采用GC-MS进行分析.

| 测试项目                  | 单位     | MDL   | 001 |
|-----------------------|--------|-------|-----|
| 邻苯二甲酸二丁酯 (DBP)        | %(w/w) | 0.003 | ND  |
| 邻苯二甲酸丁酯苯酯 (BBP)       | %(w/w) | 0.003 | ND  |
| 邻苯二甲酸二(2-乙基己基) (DEHP) | %(w/w) | 0.003 | ND  |
| 邻苯二甲酸二异壬酯 (DINP)      | %(w/w) | 0.010 | ND  |
| 邻苯二甲酸二正辛酯 (DNOP)      | %(w/w) | 0.003 | ND  |
| 邻苯二甲酸二异癸酯 (DIDP)      | %(w/w) | 0.010 | ND  |

备注:

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(1) DBP, BBP, DEHP参考信息: 1907/2006/EC Reach附录XVII的修正指令——552/2009/EC第51条 (前身为2005/84/EC) 的要求:

- i) 不允许DBP, BBP, DEHP质量浓度高于0.1%的可塑性物料用于玩具和儿童护理品.
- ii) 当玩具和儿童护理品中的可塑性物料含DBP, BBP, DEHP质量浓度高于0.1%时,不得投放市场. 详细信息请参见Regulation (EC) No 552/2009

DINP, DNOP, DIDP参考信息: 1907/2006/EC Reach附录XVII的修正指令——552/2009/EC第52条 (前身为2005/84/EC) 的要求:

- 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 (EC) No 552/2009

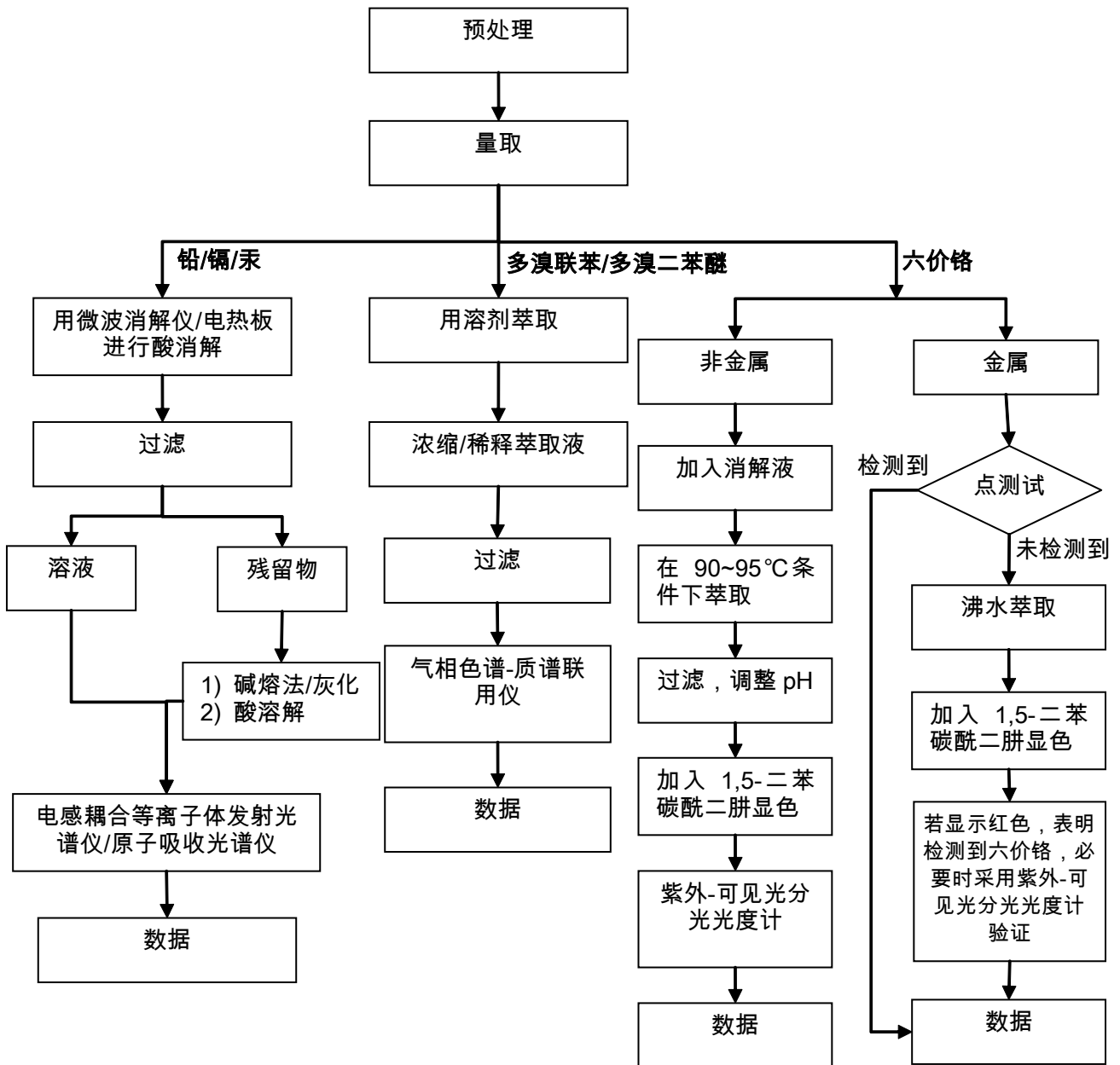
备注: 所示结果为湿样品总重量中的含量。

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附件

### RoHS 测试流程图

- 1) 分析人员: 汪丹 / 余晓璐 / 詹达琦
- 2) 项目负责人: 余奕东 / 杨伟兴
- 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)。

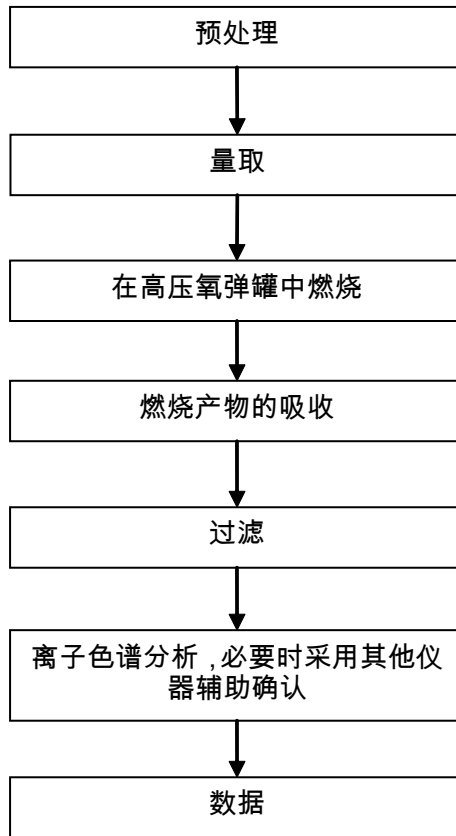


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附件

### Halogen 测试流程图

- 1) 分析人员：宋一波
- 2) 项目负责人：乔俊娟

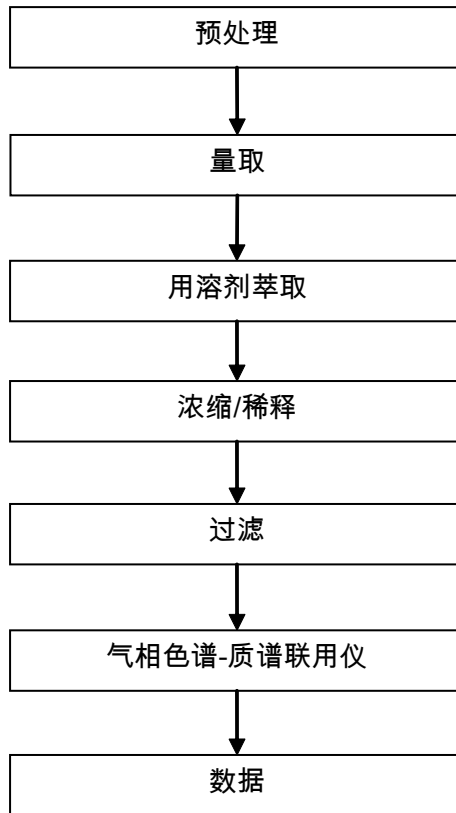


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附件

### Phthalates 测试流程图

- 1) 分析人员：赵瑞娜
- 2) 项目负责人：杨伟兴



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\*\*\* 报告完 \*\*\*

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