

测试报告

No. SHAEC1723801902

日期: 2017年11月01日 第1页,共6页

张家港市怡盛电子有限公司

江苏省张家港市金港镇天台北路79号

以下测试之样品是由申请者所提供及确认: CP线

SGS工作编号: SP17-037192 - SH

样品接收日期: 2017年10月31日

测试周期: 2017年10月31日 - 2017年11月01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、六价格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(上海)有限公司
授权签名

Marry Ma 马广媛
批准签署人



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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	SHA17-238019.001	银色金属

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: 参考IEC 62321-4:2013, IEC 62321-5:2013 和IEC 62321-7-1:2015, 采用ICP-OES和UV-Vis 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/cm ²	0.10	ND

备注:

- (1) 最大允许限值引用自RoHS指令(EU) 2015/863。
IEC 62321 系列等同于 EN 62321 系列
http://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。

元素

测试方法: 参照US EPA 方法3050B:1996测定, 采用ICP-OES进行分析



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测试项目
铍(Be)

单位	MDL	001
mg/kg	5	ND

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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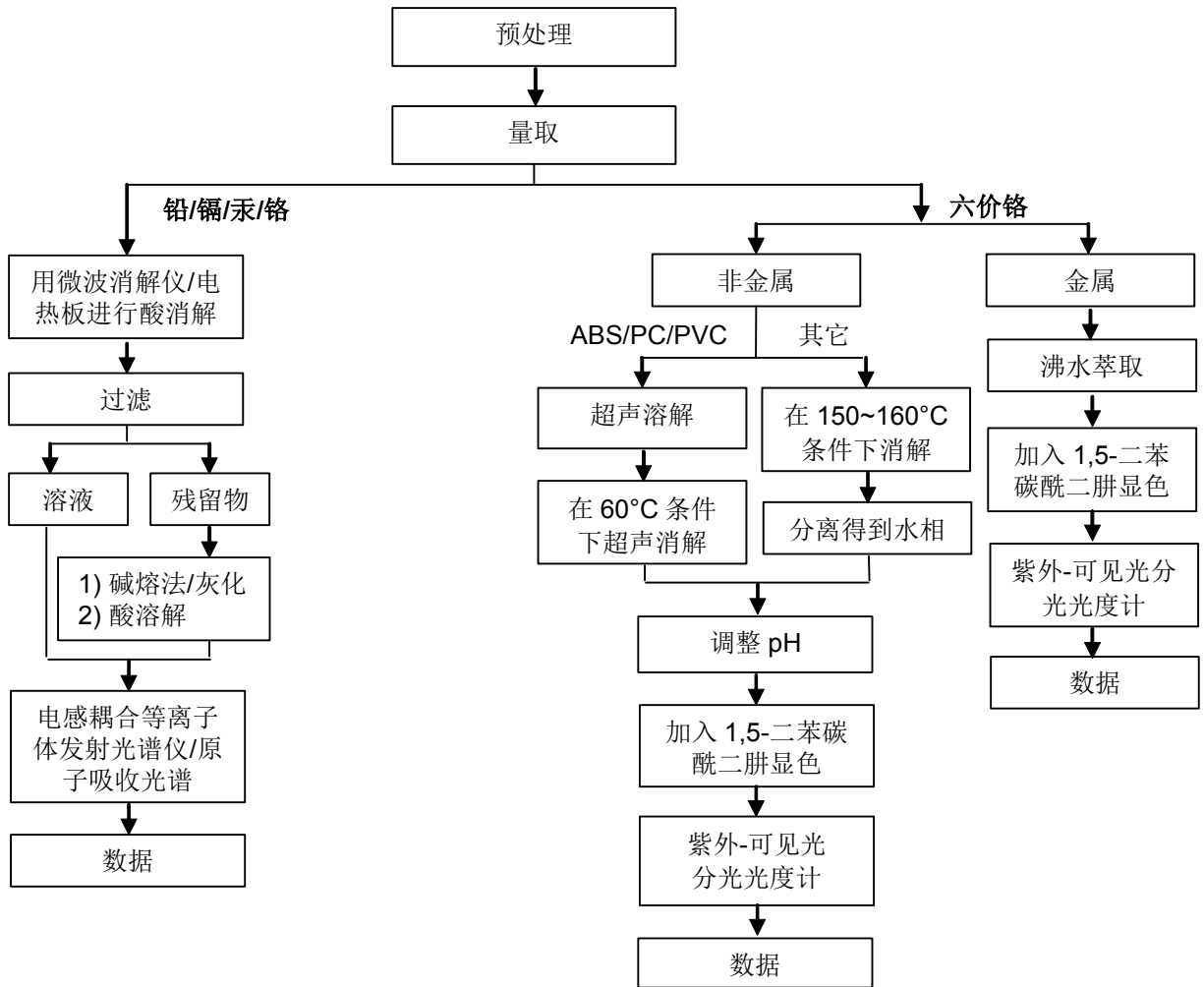
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附件

Pb/Cd/Hg/Cr⁶⁺ 测试流程图

- 1) 分析人员: 金叶/杨小龙 /宋珂静
- 2) 项目负责人: 施青/徐亮/王晓艳
- 3) 样品按照下述流程被完全消解 (六价铬测试除外)。



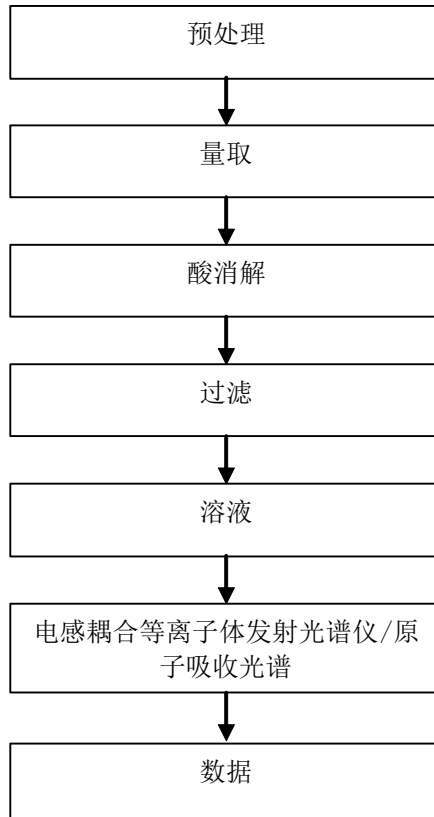
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附件

元素测试流程图

- 1) 分析人员: 金叶/ 宋珂静
- 2) 项目负责人: 徐亮/施青



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