

深圳市世纪天创科技有限公司
西安市临潼书院东路1号中国航天七七一集成电路封装厂

以下测试之样品是由申请者所提供及确认: SOP16

SGS 工作编号 : GZ11737184EC

SGS 内部编号 : 15.6

样品接收日期 : 2012 年 4 月 9 日

测试周期 : 2012 年 4 月 9 日 - 2012 年 4 月 14 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

测试结论 : 基于所送样品进行的测试, 测试结果与欧盟 RoHS 指令 2002/95/EC 以及后续修正指令的要求**相符**。

Signed for and on behalf of
SGS-CSTC Ltd.



Huang Fang, Sunny
Sr. Engineer

Signed for and on behalf of
SGS-CSTC Ltd.



He Xiaoyan, Jane
Tech. Manager

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测试结果:

样本 1 描述: 带棕色印字的黑色本体 (混合)

RoHS 指令 2002/95/EC

测试项目	单位	测试方法 (参考)	测试结果	MDL	限值
镉 (Cd)	毫克/千克	IEC 62321: 2008, ICP-OES	N.D.	2	100
铅 (Pb)	毫克/千克	IEC 62321: 2008, ICP-OES	N.D.	2	1000
汞 (Hg)	毫克/千克	IEC 62321: 2008, ICP-OES	N.D.	2	1000
碱性溶液萃取测六价铬 (CrVI)	毫克/千克	IEC 62321: 2008, UV-Vis	N.D.	2	1000
多溴联苯(PBBs)之和	毫克/千克	-	N.D.	-	1000
单溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
二溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
三溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
四溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
五溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
六溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
七溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
八溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
九溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
十溴联苯	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
多溴二苯醚(PBDEs)之和	毫克/千克	-	N.D.	-	1000
单溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
二溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
三溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
四溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
五溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
六溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
七溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
八溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
九溴二苯醚	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	
十溴二苯醚 ##	毫克/千克	IEC 62321: 2008, GC-MS	N.D.	5	

注释:

1. 毫克/千克 = ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限
4. ## =根据欧洲法庭 2008 年 4 月 1 日的决议, 2005/717/EC 中关于聚合物样品中十溴二苯醚的豁免被否决。自 2008 年 7 月 1 日起, 十溴二苯醚被包含于多溴二苯醚的总和计算之中。
5. "-" = 未规定
6. 多溴二苯醚 = 多溴联苯醚

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样本 2 描述: 银色金属脚

RoHS 指令 2002/95/EC

测试项目	单位	测试方法 (参考)	测试结果	MDL	限值
镉 (Cd)	毫克/千克	IEC 62321: 2008, ICP-OES	N.D.	2	100
铅 (Pb)	毫克/千克	IEC 62321: 2008, ICP-OES	12	2	1000
汞 (Hg)	毫克/千克	IEC 62321: 2008, ICP-OES	N.D.	2	1000
沸水萃取法测六价铬 (CrVI)	-	IEC 62321: 2008, UV-Vis	Negative	◇	#

注释:

1. 毫克/千克 = ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限
4. ◇ = 点测试:

Negative = 未检测到六价铬, Positive = 检测到;

(如果点测试结果为 Negative 或不能确认, 测试样品需进一步由沸水萃取法进行测试。)

沸水萃取法:

Negative = 未检测到六价铬

Positive = 检测到六价铬; 每 50cm² 表面积的被测试样品的沸水萃取液中六价铬的浓度等于或大于 0.02mg/kg。

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。

5. # = Positive = 阳性

Negative = 阴性

6. "-" = 未规定

7. 本测试报告内容是参照报告编号为 GZ0904029055/CHEM 的中文译本, 中英文版本如有歧异, 概以英文版为准。

备注: 由于样品无法拆分, 因此测试样本 1 是基于申请人要求整体 (部分) 混合进行测试。

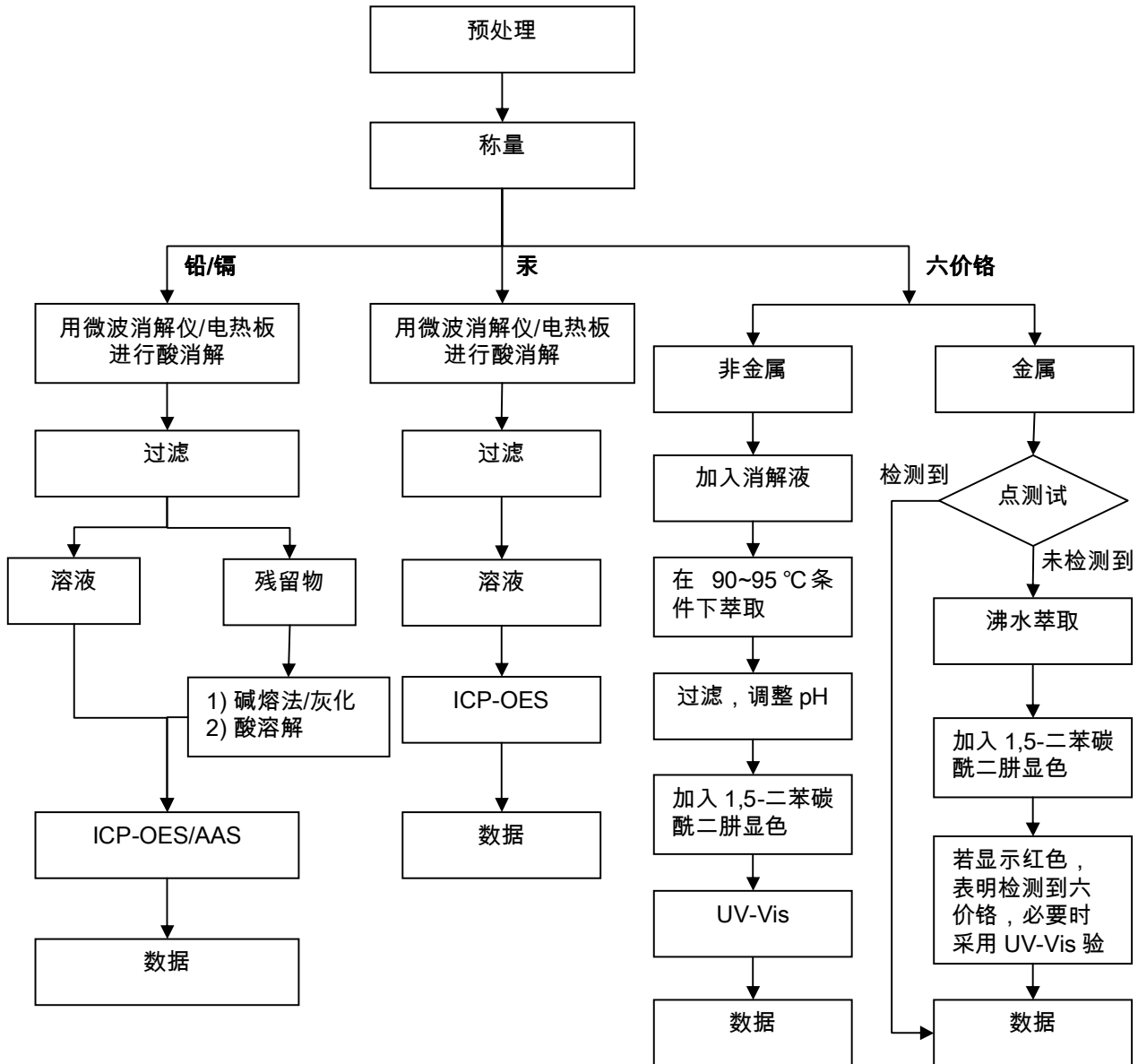
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附件

测试流程图

- 1) 分析人员: 许锋华 / 李莉莉
- 2) 项目负责人: 余奕东 / 王宏磊
- 3) 样品按照上述流程被完全消解 (六价铬除外)。

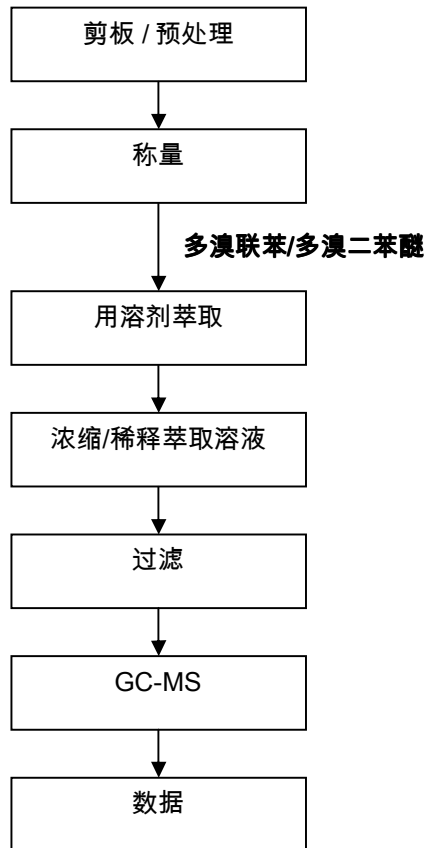


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测试流程图

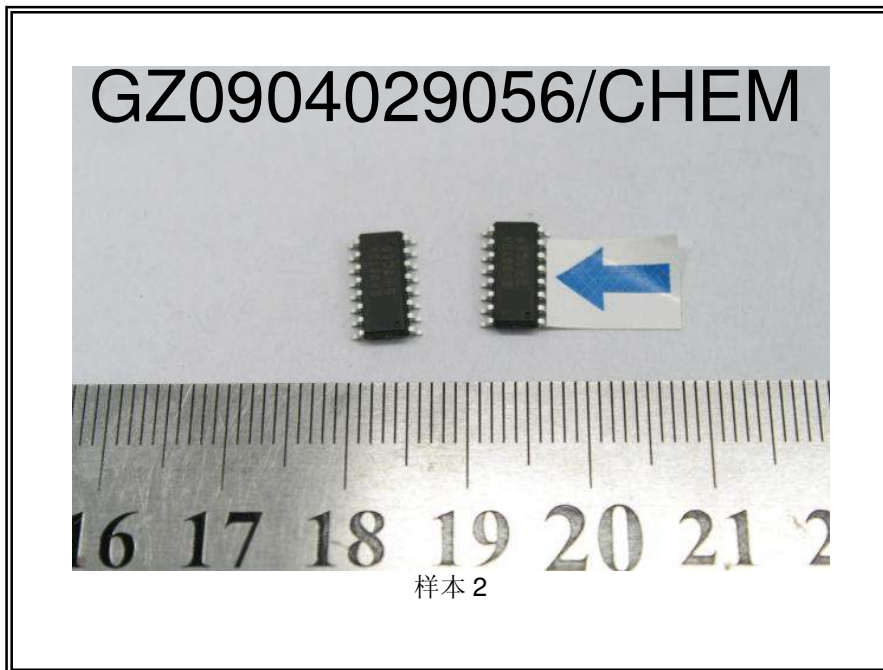
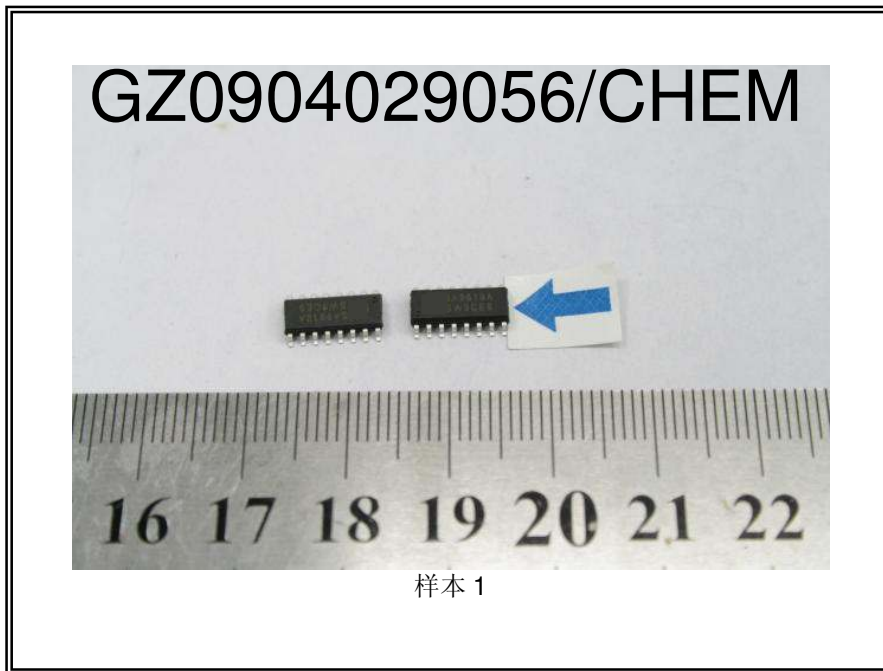
- 1) 分析人员: 唐丽娜
- 2) 项目负责人: 赵瑞娜



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*** 报告完 ***

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