



2014090879U

检测报告 Test Report

报告编号 RHS05G010309002E
Report No. RHS05G010309002E

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申请单位 昆山厚聲電子工業有限公司
Applicant UNIROYAL ELECTRONICS INDUSTRY CO., LTD.
地 址 昆山市经济技术开发区龙腾路88号
Address 88 LONGTENG ROAD, ECONOMIC & TECHNICAL DEVELOPMENT ZONE,
KUNSHAN CITY, JIANGSU, CHINA

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 晶片电阻器
Sample Name Chip resistors(terminal lead free)
买家Buyer ShenZhen Nanying Electronics Co.,Ltd、 Aeon Technology Corporation CO.,LTD、 TICROM TECHNOLOGY (SHENZHEN)CO.,LTD、 HST TECHNOLOGY (SHENZHEN)CO.,LTD
供应商Supplier Kunshan Foss Electronics Material Industry Co.,Ltd
制造商Manufacturer Uniroyal Electronics Industry Co., Ltd.
样品接收日期 2014.03.29
Sample Received Date Mar. 29, 2014
样品检测日期 2014.03.29-2014.04.02
Testing Period Mar. 29, 2014 to Apr. 2, 2014
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), 六溴环十二烷(HBCDD), 邻苯二甲酸酯进行测试。
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), Hexabromocyclododecane (HBCDD), Phthalates in the submitted sample(s).

检测依据/检测结果

Test Method/Test Result(s)

请参见下页。

Please refer to the following page(s).

主 检

Tested by

Chen Lijuan

批 准

Approved by

Su Hongwei

Su Hongwei

Senior Laboratory Manager

深圳市华测检测技术股份有限公司上海分公司
Centre Testing International Co.,Ltd. Shanghai Branch

审 核

Reviewed by

Chen Kaimin

日 期

Date

2014.04.02

No. 1087210227

上海市浦东新区新金桥路1996号

No.1996,New Jinqiao Road, Pudong District,Shanghai,China



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检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅(Pb) Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
镉(Cd) Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
汞(Hg) Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
多溴联苯(PBBs) Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
六溴环十二烷(HBCDD) Hexabromocyclododecane (HBCDD) *	参考US EPA 3550C:2007 Refer to US EPA 3550C:2007	GC-MS
邻苯二甲酸酯 Phthalates*	参考EN 14372:2004 (E) Refer to EN 14372:2004(E)	GC-MS

检测结果 Test Result(s)

测试项目 Test Item(s)	结果 Result	方法检测限 MDL
铅(Pb) Lead(Pb)	N.D.	2 mg/kg
镉(Cd) Cadmium (Cd)	N.D.	2 mg/kg
汞(Hg) Mercury(Hg)	N.D.	2 mg/kg
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg

测试项目 Test Item(s)	结果 Result	方法检测限 MDL
多溴联苯(PBBs) Polybrominated Biphenyls (PBBs)		
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

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九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Test Item(s)	结果 Result	方法检测限 MDL
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers (PBDEs)		
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

测试项目 Test Item(s)	结果 Result	方法检测限 MDL
六溴环十二烷(HBCDD) Hexabromocyclododecane (HBCDD) *	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检测限 MDL
邻苯二甲酸酯 Phthalates*		
邻苯二甲酸二正丁酯(DBP) Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄酯(BBP) Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基己基)酯(DEHP) Bis(2-ethyl(hexyl)) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg

测试样品/部位描述

Tested Sample/Part Description

电子元器件(整体测试)

Electronic components (Tested as a whole)

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- 注释:** 对于检测铅, 镉, 汞之样品已完全溶解。
-按照目前手段, 样品无法进一步拆分, 样品整体测试, 测试结果不代表整体测试样品中任何一种单一材质的含量。
-N.D. = 未检出 (小于方法检测限)
-mg/kg= ppm = 百万分之几
-*=该项目不在CMA认可范围内。
- Note:** The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.
-The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-*= indicates the item(s) is/are not in CMA accreditation scope.
- 备注:** 报告编号中“E”表示此报告为中英文对照版本。
- Remark:** The end sign of report number E represents the bilingual version.

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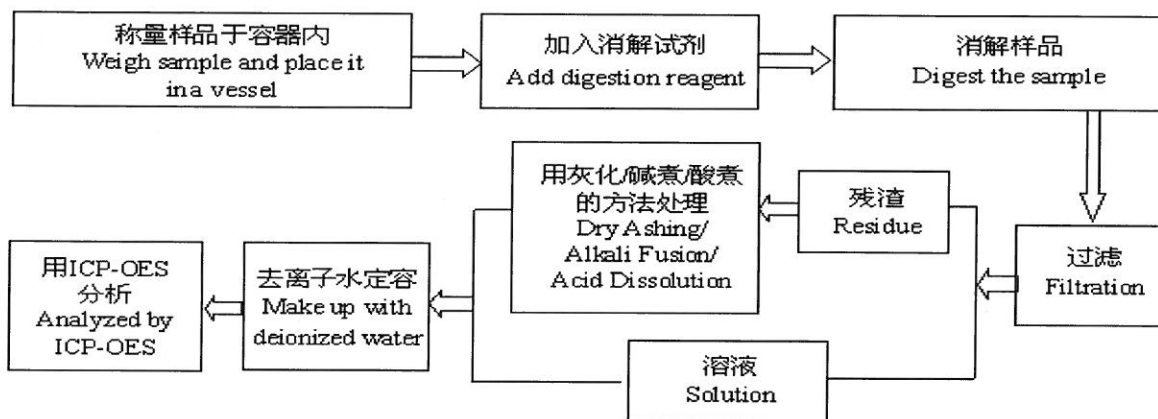
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检测流程 Test Process

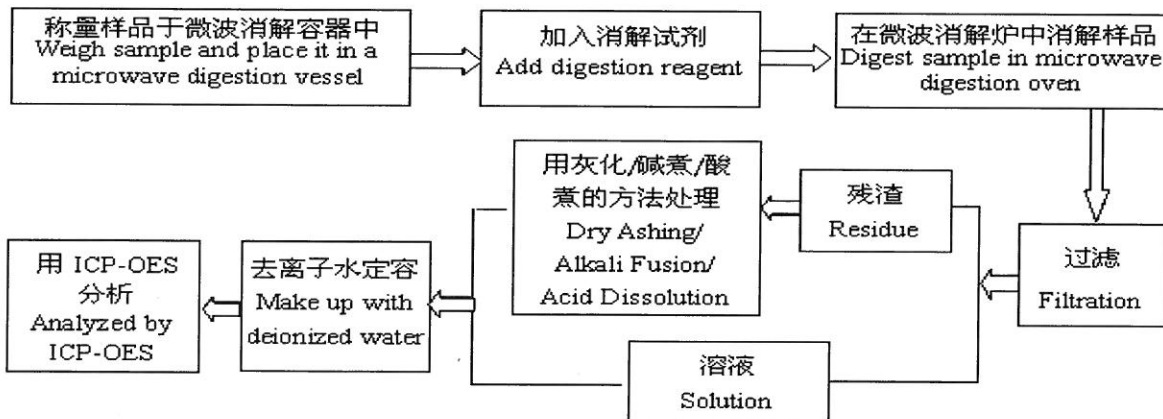
1. 铅(Pb), 镉(Cd)

Lead(Pb), Cadmium(Cd)



2. 汞(Hg)

Mercury(Hg)

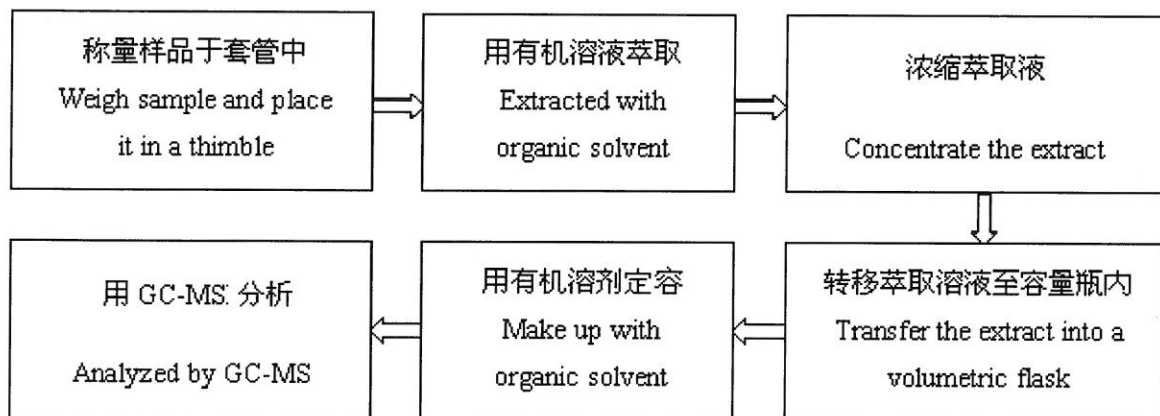


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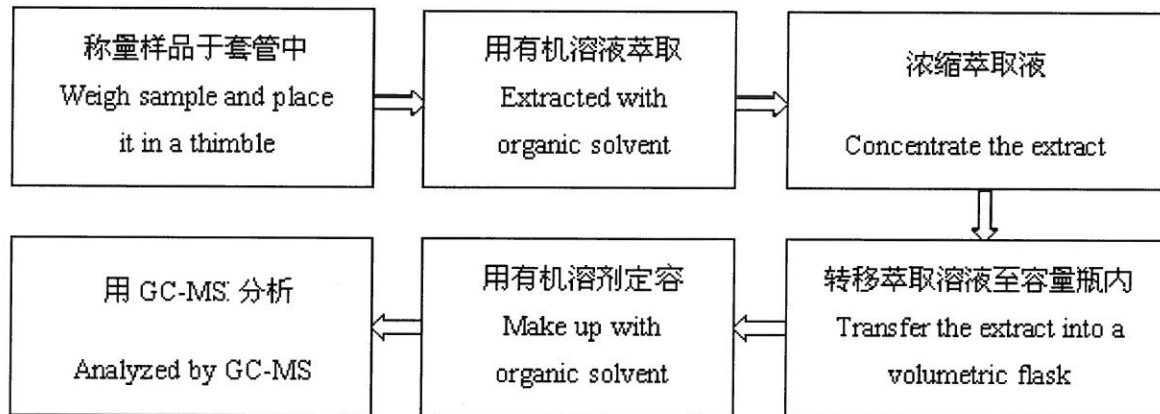
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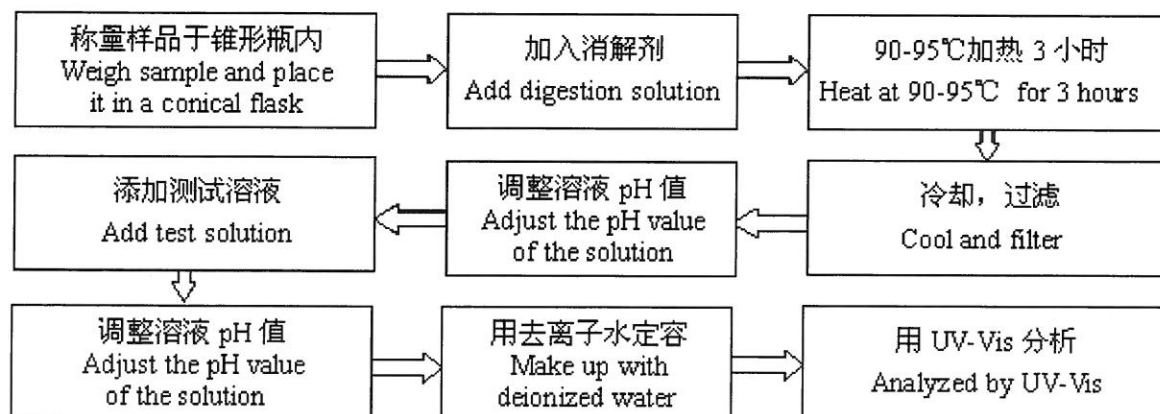
3. 六溴环十二烷 (HBCDD)
Hexabromocyclododecane (HBCDD)



4. 多溴联苯 (PBBs), 多溴二苯醚 (PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 六价铬 (Cr(VI))
Hexavalent Chromium (Cr(VI))

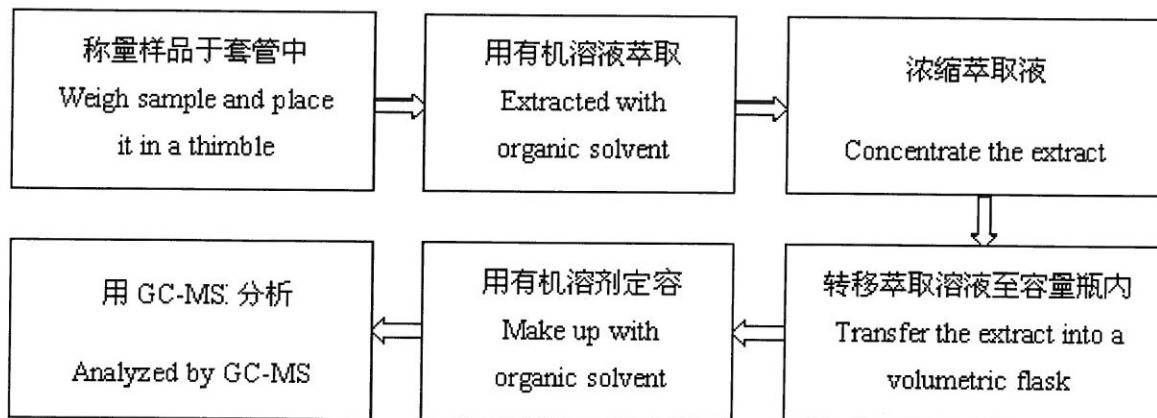


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6. 邻苯二甲酸酯
Phthalates

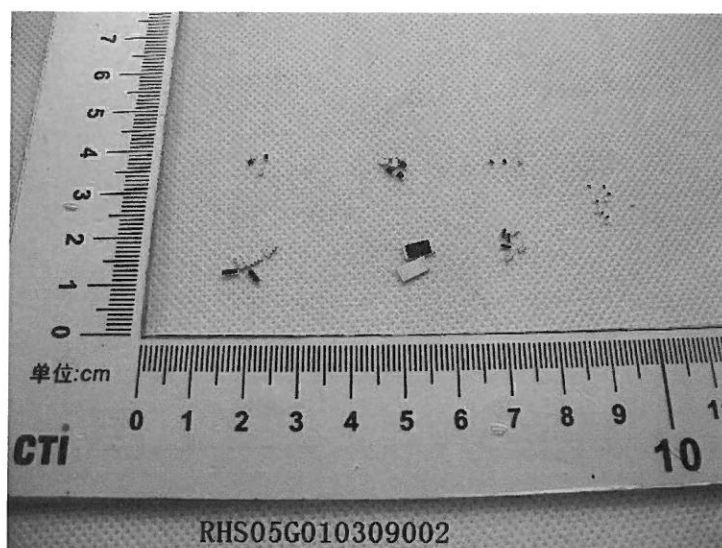


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样品图片 Photo(s) of the sample(s)



报告结束
*** End of report ***

检测报告无批准人签字及“报告专用章”无效，本报告检测结果仅对受测样品负责。未经CTI书面同意，不得部分复制本报告。

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