

# 检测报告 Test Report

报告编号 SCL01H063065005E  
Report No. SCL01H063065005E

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申请单位 惠州市三强线路有限公司  
Applicant SUNKING CIRCUITS ELECTRONICS CO.,LTD  
地 址 惠州市马安镇新乐工业区三强线路有限公司  
Address XINLE INDUSTRY CITY,MAAN,TOWN HUIZHOU ,GUANGDONG

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 PCB  
Sample Name PCB  
样品型号 喷锡  
Part No. 喷锡  
样品颜色 绿  
Color 绿  
样品接收日期 2015.07.24  
Sample Received Date Jul. 24, 2015  
样品检测日期 2015.07.24-2015.07.28  
Testing Period Jul. 24, 2015 to Jul. 28, 2015

## 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), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。

## Test Requested

As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP) in the submitted sample(s).

## 检测依据/检测结果

请参见下页。

## Test Method/Test Result(s)

Please refer to the following page(s).

主 检

*Fry*

审 核

*Arigo*

Tested by

Reviewed by

批准

日 期

Approved by

Date

2015.07.28

Danny Liu

Technical Manager

No. R221581641

华测检测认证集团股份有限公司  
Centre Testing International Group Co.,Ltd.

广东省深圳市宝安区 70 区鸿威工业园  
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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 Biphenyl(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
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP) Phthalates(DBP, BBP, DEHP, DIBP)	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	方法检出限 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	方法检出限 MDL
<b>多溴联苯(PBBs) Polybrominated Biphenyl(PBBs)</b>		
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
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

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测试项目 Test Item(s)	结果 Result	方法检出限 MDL
<b>多溴二苯醚 (PBDEs) Polybrominated Diphenyl Ethers (PBDEs)</b>		
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 Tested Item(s)	结果 Result	方法检出限 MDL
<b>邻苯二甲酸酯 Phthalates</b>		
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) Butylbenzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基己基)酯 (DEHP) Di-2-ethylhexyl phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 (DIBP) Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

测试样品/部位描述 PCB (整体测试)  
Tested Sample/Part Description PCB (Tested as a whole)

备注: -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 (小于方法检出限)

-mg/kg = ppm = 百万分之一

Remark: -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

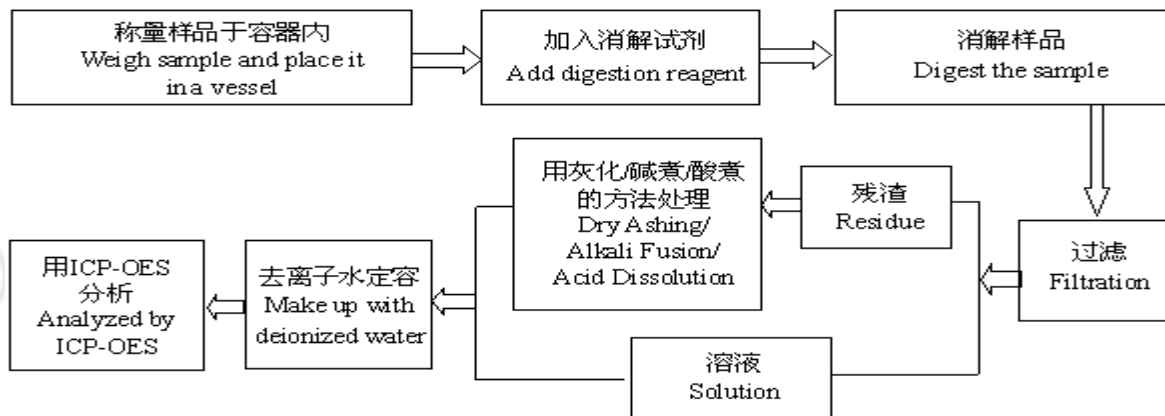
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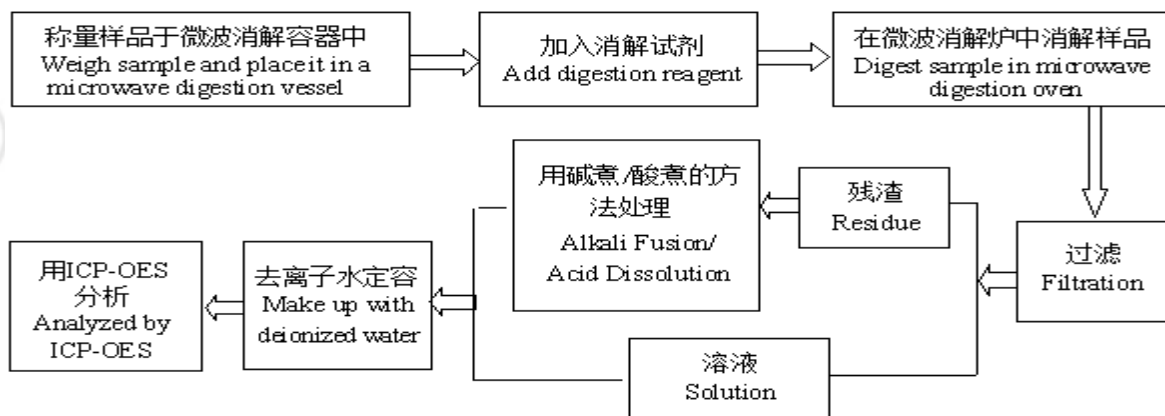
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## 检测流程 Test Process

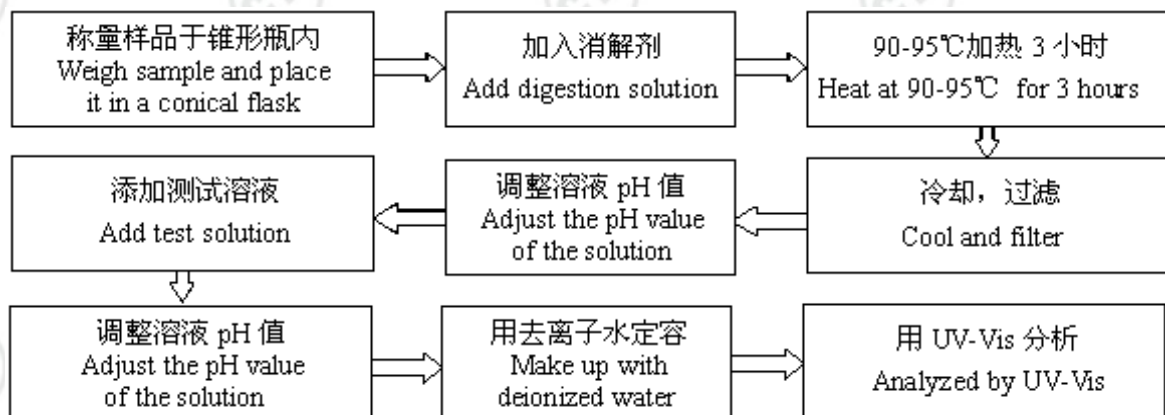
### 1. 铅(Pb), 镉(Cd) Lead (Pb), Cadmium (Cd)



### 2. 汞(Hg) Mercury (Hg)



### 3. 六价铬(Cr(VI)) Hexavalent Chromium(Cr(VI))

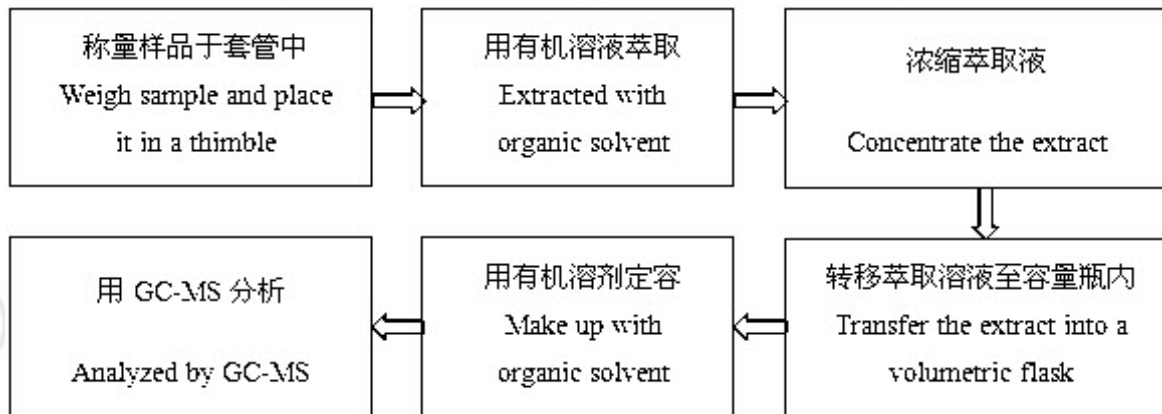


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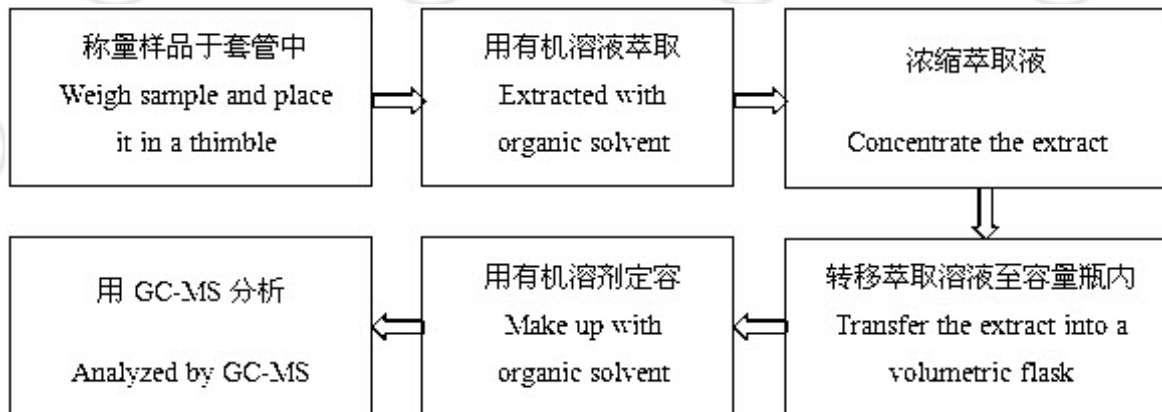
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4. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)  
Phthalates(DBP, BBP, DEHP, DIBP)



5. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)  
Polybrominated Biphenyl(PBBs) , Polybrominated Diphenyl  
Ethers(PBDEs)

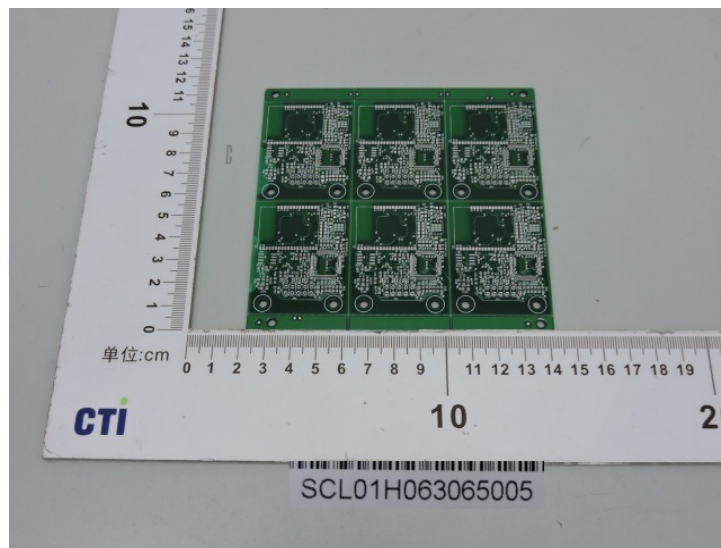


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## 样品图片 Photo(s) of the sample(s)



\*\*\*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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