

# Test Report

## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

Page 1 of 10  
页数: 第 1 页 共 10 页

**Applicant** : Shenzhen Renhotec Technology Electronics Co., Ltd  
**申请单位** : 深圳市仁昊伟业科技电子有限公司

**Address** : No 5, Xinyuan North Fifth Road, Ludong Village, Humen Town, Dongguan,  
**地 址** : 523939, Guangdong, China./ 东莞市虎门镇路东新园北 5 路 5 号

**The submitted sample and sample information was/were submitted and identified by/on the behalf of the client/委托检测之样品及样品信息由申请者提供并确认**

**Sample name/样品名称** : 3Pin battery connector (RHT-648-0014)

**Type /model/型 号** : battery connector

**Manufacturer** : Shenzhen Renhotec Technology Electronics Co., Ltd  
**制 造 商** : 深圳市仁昊伟业科技电子有限公司

**Address** : No 5, Xinyuan North Fifth Road, Ludong Village, Humen Town, Dongguan,  
**地 址** : 523939, Guangdong, China./ 东莞市虎门镇路东新园北 5 路 5 号

**Sample received date** : Nov. 23, 2018  
**样品接收日期** : 2018.11.23

**Testing period** : Nov. 23, 2018 - Nov. 29, 2018  
**样品测试日期** : 2018.11.23 - 2018.11.29

**Test requested** : As specified by client, to test the Lead(Pb), Cadmium(Cd), Mercury(Hg),  
**检 测 要 求** : Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Di-isobutyl phthalate(DIBP), Dibutyl phthalate(DBP), Benzyl butyl phthalate(BBP), Bis (2-ethylhexyl)phthalate(DEHP) in the submitted sample.  
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)), 多溴二苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸二异丁酯(DIBP), 邻苯二甲酸二丁酯(DBP), 邻苯二甲酸丁苄酯(BBP), 邻苯二甲酸二(2-乙基己基)酯(DEHP)进行测试。

According to the RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863(按照RoHS指令2011/65/EU以及修订指令(EU)2015/863)

\*\*\*\*\*更多详细信息请查阅下一页\*\*\*\*\*

\*\*\*\*\*For more detailed information, please refer to the next page\*\*\*\*\*


Tested by 张维成  
主 检 张维成



Approved by 张朝标  
批 准 张朝标

Lab:Shenzhen BCTC Testing Co.,Ltd.

Add:BCTC Building & 1-2F,East of B Building,pengzhou Industrial,Fuyuan 1st Road,  
Qiaotou Community,Fuyong Street, Bao 'an District,Shenzhen,China  
Tel : (86)0755-33229357 Fax : 0755-33229357

 Hotline  
400 -788 -9558  
www.bctc-lab.com.cn

# Test Report

## 测试报告

No.BCTC-FYC180115118R  
 编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
 日期: 2018.11.29

Page 2 of 10  
 页数: 第 2 页 共 10 页

### Test Method: (检测方法)

Tested Item(s) 测试项目	Test Method 测试方法	Measured Equipment(s) 测试仪器
Lead(Pb)/ 铅 (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium(Cd)/ 镉 (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury(Hg)/ 汞 (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES
Hexavalent Chromium(Cr(VI)) 六价铬 (Cr(VI))	IEC 62321-7-1:2015 Ed.1.0	UV-Vis
	IEC 62321-7-2:2017 Ed.1.0	
Polybrominated Biphenyls(PBBs) 多溴二苯 (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS
Polybrominated Diphenyl Ethers (PBDEs) 多溴二苯醚 (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS
Phthalates/ 邻苯二甲酸盐	IEC 62321-8:2017 Ed.1.0	GC-MS

### Tested Sample/Part Description: (测试样品/部位描述)

- 1 Gray plastic/ 灰色塑料
- 2 Gold metal/ 金色金属

### Test Result(s): (检测结果)

Tested Item(s) 测试项目	Result/结果 Unit/单位 (mg/kg)		MDL/方法检测限 Unit/单位 (mg/kg)	Limit/限值 Unit/单位 (mg/kg)
	1	2		
Lead (Pb)/铅(Pb)	N.D.	N.D.	2	1000
Cadmium (Cd)/镉(Cd)	N.D.	N.D.	2	100
Mercury (Hg)/汞(Hg)	N.D.	N.D.	2	1000
Hexavalent Chromium (Cr(VI)) 六价铬(Cr(VI))	N.D.	Negative 阴性	Metal/金属: /	1000
			Nonmetal/非金属: 8	

Lab:Shenzhen BCTC Testing Co.,Ltd.

Add:BCTC Building & 1-2F,East of B Building,pengzhou Industrial,Fuyuan 1st Road,  
 Qiaotou Community,Fuyong Street, Bao 'an District,Shenzhen,China  
 Tel : (86)0755-33229357 Fax : 0755-33229357

Hotline  
 400 -788 -9558  
 www.bctc-lab.com.cn

# Test Report

## 测试报告

 No.BCTC-FYC180115118R  
 编号: BCTC-FYC180115118R


 Date:Nov. 29, 2018  
 日期: 2018.11.29

 Page 3 of 10  
 页数: 第 3 页 共 10 页

Tested Item(s) 测试项目	Result/结果 Unit/单位(mg/kg)		MDL/方法检测限 Unit/单位(mg/kg)	Limit/限值 Unit/单位(mg/kg)
	1	2		
<b>Polybrominated Biphenyls(PBBs)</b> <b>多溴二苯(PBBs)</b>	N.D.	/	--	1000
Monobromobiphenyl/一溴二苯	N.D.	/	5	--
Dibromobiphenyl/二溴二苯	N.D.	/	5	--
Tribromobiphenyl/三溴二苯	N.D.	/	5	--
Tetrabromobiphenyl/四溴二苯	N.D.	/	5	--
Pentabromobiphenyl/五溴二苯	N.D.	/	5	--
Hexabromobiphenyl/六溴二苯	N.D.	/	5	--
Heptabromobiphenyl/七溴二苯	N.D.	/	5	--
Octabromobiphenyl/八溴二苯	N.D.	/	5	--
Nonabromobiphenyl/九溴二苯	N.D.	/	5	--
Decabromobiphenyl/十溴二苯	N.D.	/	5	--
<b>Polybrominated Diphenyl Ethers(PBDEs)</b> <b>多溴二苯醚(PBDEs)</b>	N.D.	/	--	1000
Monobromodiphenyl ether/一溴二苯醚	N.D.	/	5	--
Dibromodiphenyl ether/二溴二苯醚	N.D.	/	5	--
Tribromodiphenyl ether/三溴二苯醚	N.D.	/	5	--
Tetrabromodiphenyl ether/四溴二苯醚	N.D.	/	5	--
Pentabromodiphenyl ether/五溴二苯醚	N.D.	/	5	--
Hexabromodiphenyl ether/六溴二苯醚	N.D.	/	5	--
Heptabromodiphenyl ether/七溴二苯醚	N.D.	/	5	--
Octabromodiphenyl ether/八溴二苯醚	N.D.	/	5	--
Nonabromodiphenyl ether/九溴二苯醚	N.D.	/	5	--
Decabromodiphenyl ether/十溴二苯醚	N.D.	/	5	--

**Lab:Shenzhen BCTC Testing Co.,Ltd.**

 Add:BCTC Building & 1-2F,East of B Building,pengzhou Industrial,Fuyuan 1st Road,  
 Qiaotou Community,Fuyong Street, Bao 'an District,Shenzhen,China  
 Tel : (86)0755-33229357 Fax : 0755-33229357


 Hotline  
 400 -788 -9558  
[www.bctc-lab.com.cn](http://www.bctc-lab.com.cn)

# Test Report

## 测试报告

 No.BCTC-FYC180115118R  
 编号: BCTC-FYC180115118R

 Date:Nov. 29, 2018  
 日期: 2018.11.29

 Page 4 of 10  
 页数: 第 4 页 共 10 页

Tested Item(s) 测试项目	Result/结果 Unit/单位 (mg/kg)		MDL/方法检测限 Unit/单位 (mg/kg)	Limit/限值 Unit/单位 (mg/kg)
	1	2		
Diisobutyl phthalate (DIBP)/ 邻苯二甲酸二异丁酯 CAS #:84-74-2	N.D.	/	50	1000
Dibutyl phthalate(DBP)/ 邻苯二甲酸二丁酯 CAS #:84-74-2	N.D.	/	50	1000
Benzylbutyl phthalate(BBP)/ 邻苯二甲酸丁苄酯 CAS #:85-68-7	N.D.	/	50	1000
Bis (2-ethylhexyl)phthalate(DEHP)/ 邻苯二甲酸二(2-乙基己基)酯 CAS #:117-81-7	N.D.	/	50	1000

**Note:**

-N.D. = Not Detected (<MDL) =未检出 (小于方法检测限)


-mg/kg = ppm = parts per million =百万分之几

-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than  $0.1\mu\text{g}/\text{cm}^2$  with  $50\text{cm}^2$  sample surface area used. =阴性表示不含有六价铬, 即由表面积为 $50\text{cm}^2$ 的样品所萃取出来的溶液中的六价铬的浓度小于 $0.1\mu\text{g}/\text{cm}^2$ 。

-Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than  $0.13\mu\text{g}/\text{cm}^2$  with  $50\text{cm}^2$  sample surface area used. =阳性表示含有六价铬, 即由表面积为 $50\text{cm}^2$ 的样品所萃取出来的溶液中的六价铬的浓度等于或大于 $0.13\mu\text{g}/\text{cm}^2$ 。

**Lab:Shenzhen BCTC Testing Co.,Ltd.**

 Add:BCTC Building & 1-2F,East of B Building,pengzhou Industrial,Fuyuan 1st Road,  
 Qiaotou Community,Fuyong Street, Bao 'an District,Shenzhen,China  
 Tel : (86)0755-33229357 Fax : 0755-33229357


 Hotline  
 400 -788 -9558  
[www.bctc-lab.com.cn](http://www.bctc-lab.com.cn)

# Test Report

## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

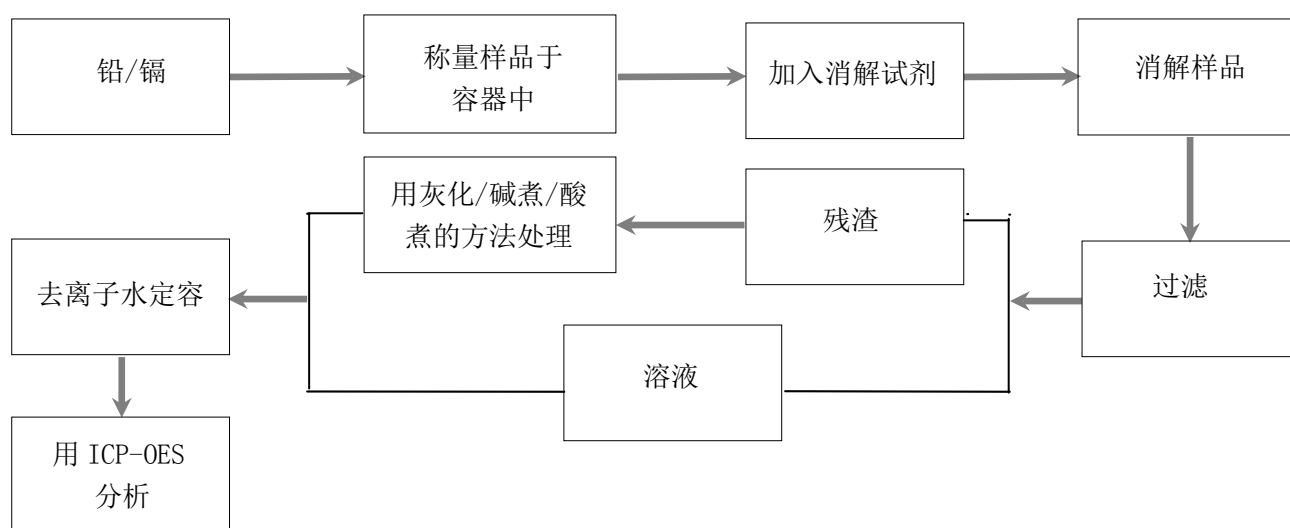
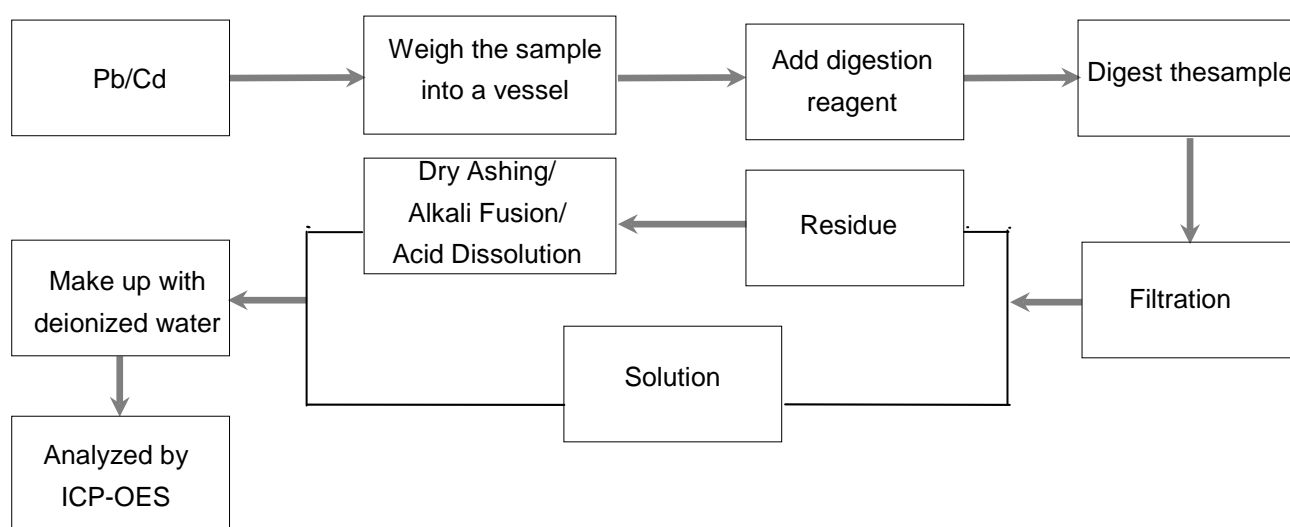
Page 5 of 10  
页数: 第 5 页 共 10 页

### Test Process: (检测流程)

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

对于检测铅, 镉, 汞之样品已完全溶解。

◆IEC 62321-5:2013 Ed.1.0



Lab:Shenzhen BCTC Testing Co.,Ltd.

Add:BCTC Building & 1-2F,East of B Building,pengzhou Industrial,Fuyuan 1st Road,  
Qiaotou Community,Fuyong Street, Bao 'an District,Shenzhen,China  
Tel : (86)0755-33229357 Fax : 0755-33229357

Hotline  
400 -788 -9558  
www.bctc-lab.com.cn



# Test Report

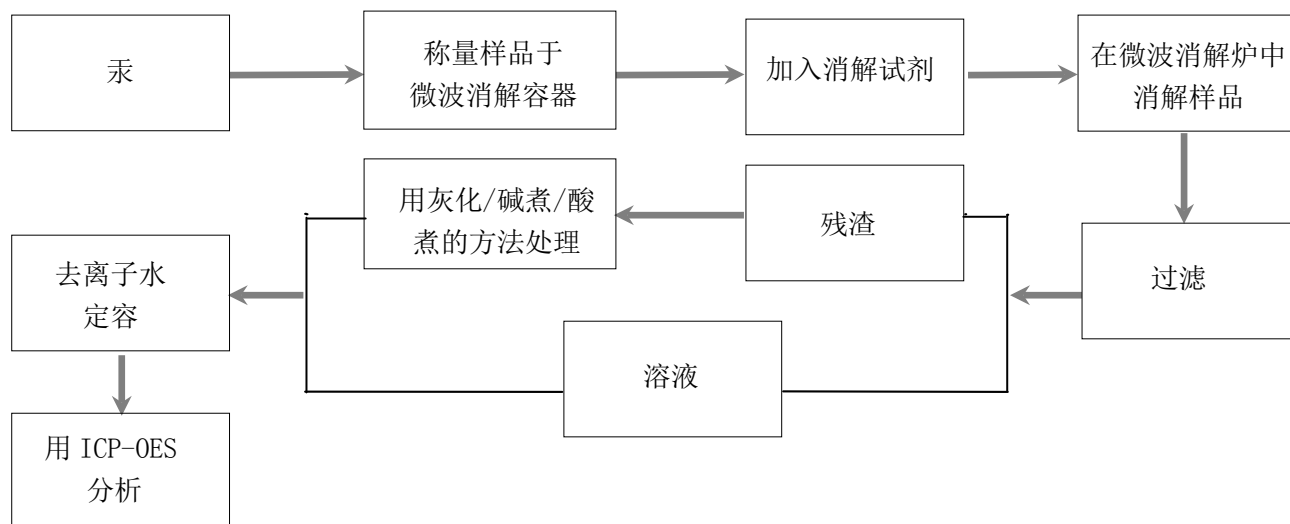
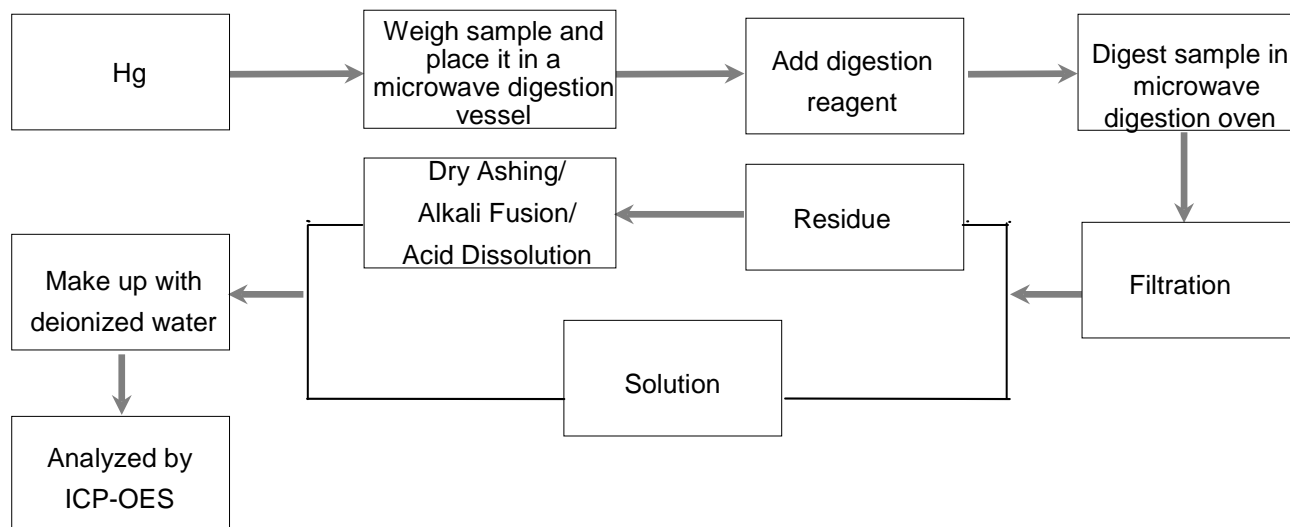
## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

Page 6 of 10  
页数: 第 6 页 共 10 页

◆ IEC 62321-4:2013+AMD1:2017



# Test Report

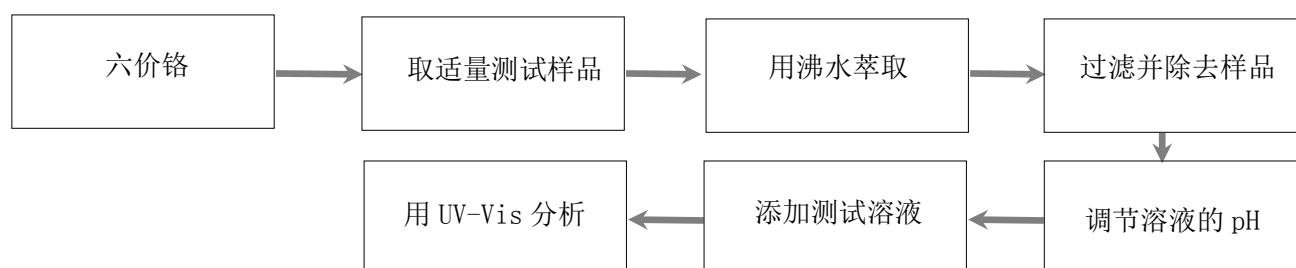
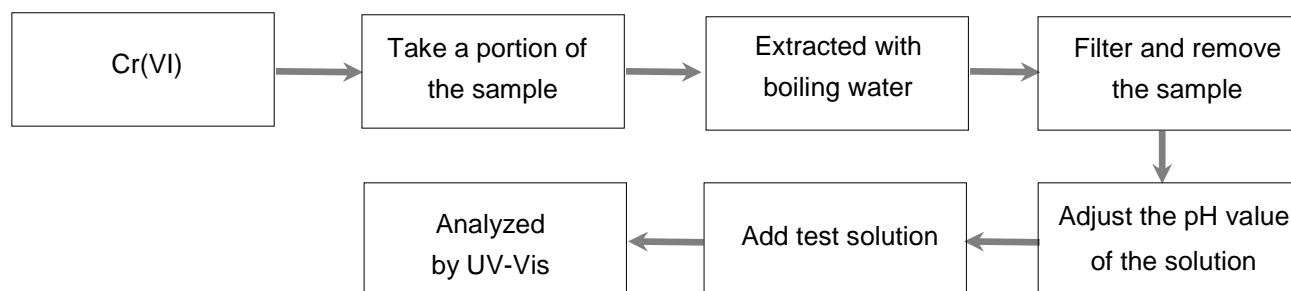
## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

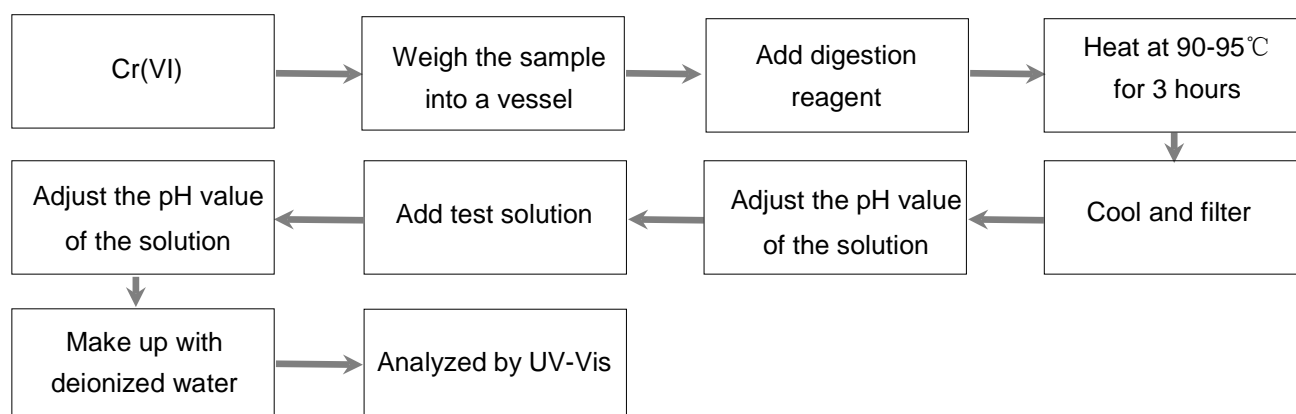
Date:Nov. 29, 2018  
日期: 2018.11.29

Page 7 of 10  
页数: 第 7 页 共 10 页

◆IEC 62321-7-1:2015 Ed.1.0



◆IEC 62321-7-2:2017 Ed.1.0



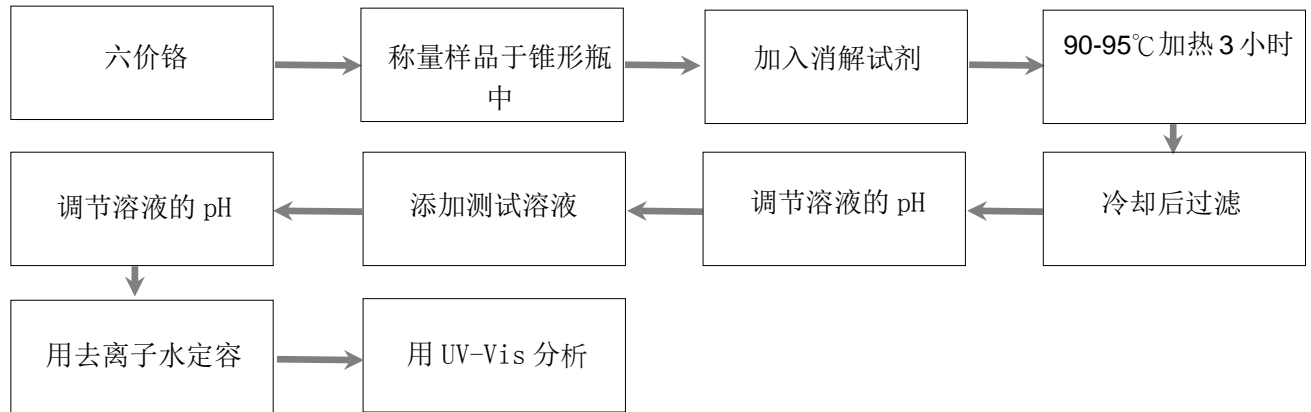
# Test Report

## 测试报告

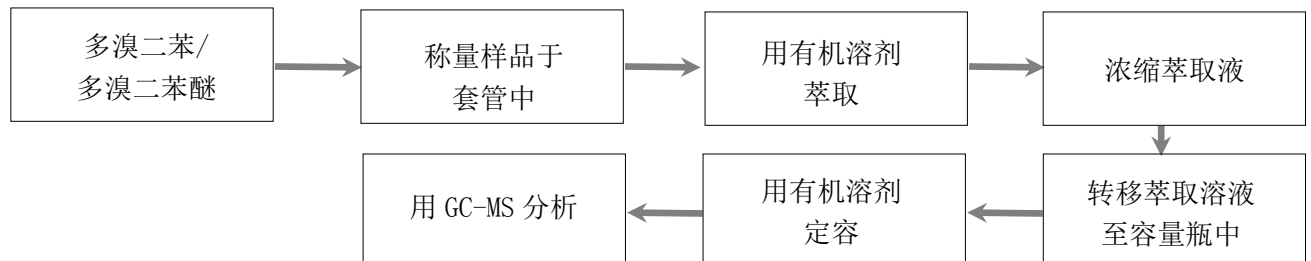
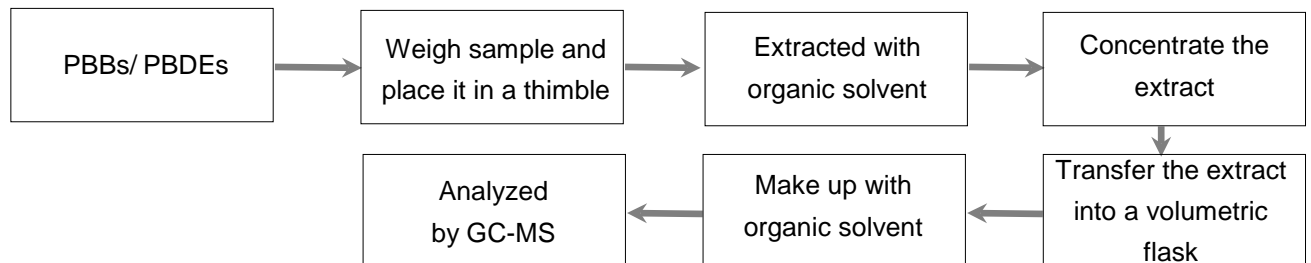
No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

Page 8 of 10  
页数: 第 8 页 共 10 页



◆ IEC 62321-6:2015 Ed.1.0





# Test Report

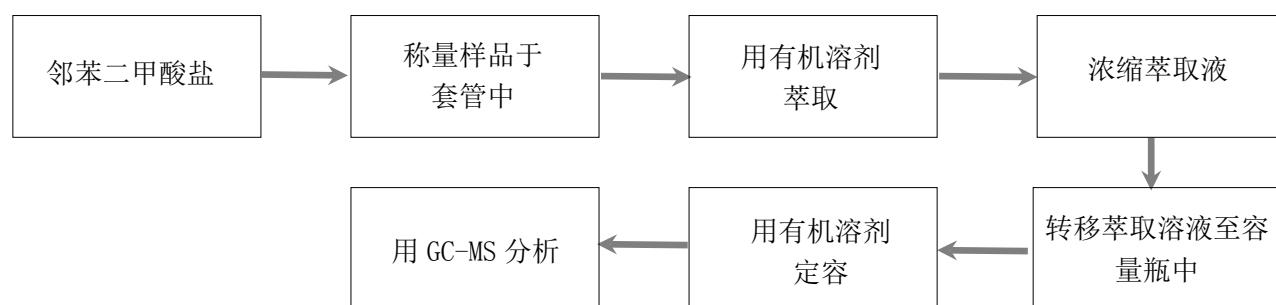
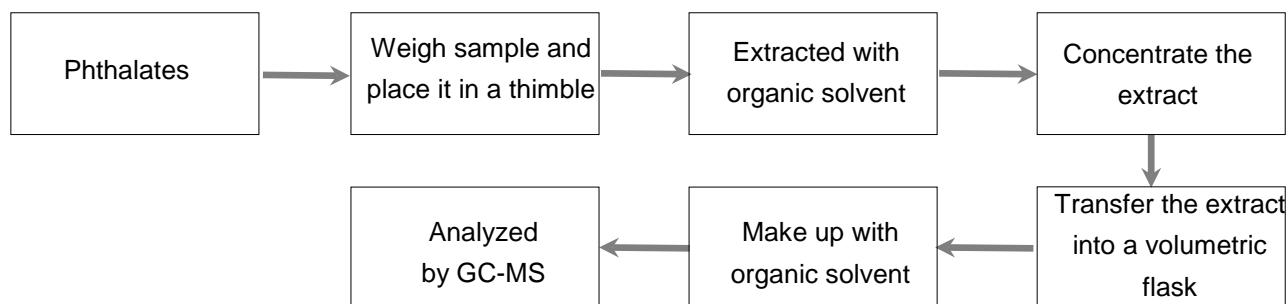
## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

Page 9 of 10  
页数: 第 9 页 共 10 页

◆IEC 62321-8:2017 Ed.1.0



# Test Report

## 测试报告

No.BCTC-FYC180115118R  
编号: BCTC-FYC180115118R

Date:Nov. 29, 2018  
日期: 2018.11.29

Page 10 of 10  
页数: 第 10 页 共 10 页

### Photograph of Sample 样品图片

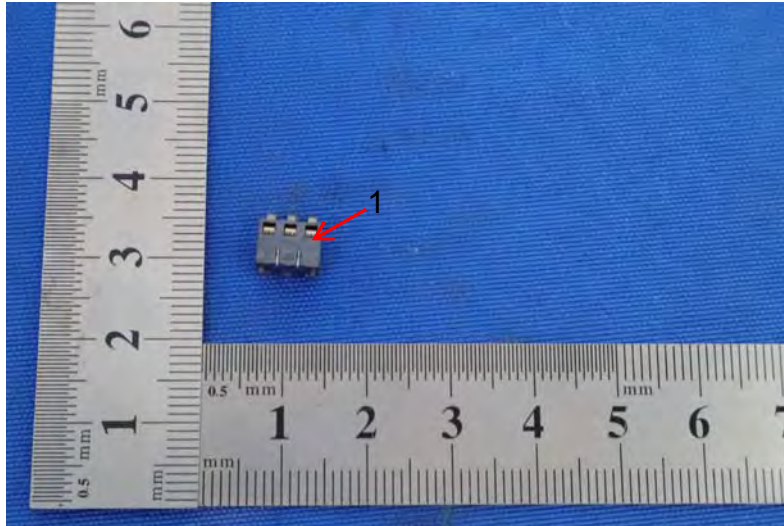


Fig.1/ 图 1

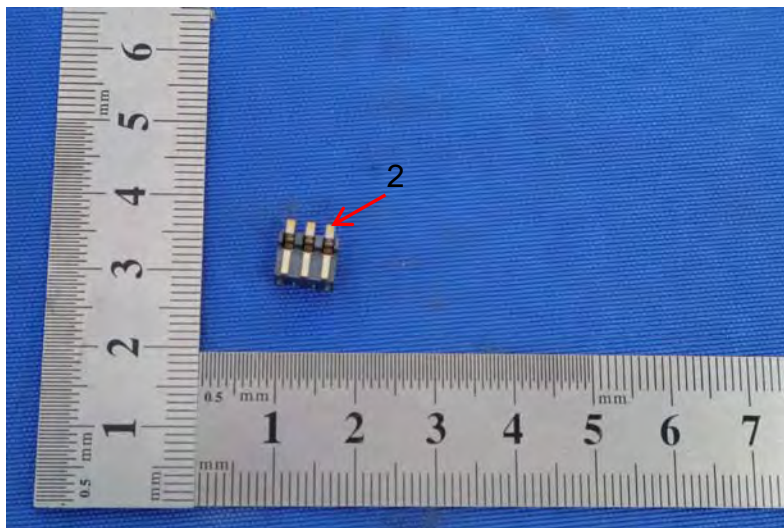


Fig.2/ 图 2

\*\*\*\*\* End of Report \*\*\*\*\*  
\*\*\*\*\* 报告结束 \*\*\*\*\*