

Test Report

测试报告

Report No. BCTC-FYC19052093H
报告编号: BCTC-FYC19052093H

Date: May 21, 2019
日期: 2019.05.21

Applicant : ANHUI RHONDA SEMICONDUCTOR CO., LTD
申请单位 : 安徽荣达半导体有限公司
Address : JIMXIU ROAD OF HEFEI PACKAGE RIVERFRONT BINHU NEW CITY2 BUILDING, ROOM 2116
地址 : 合肥市包河区锦绣大道滨湖新地城市 2 幢办 2116 室

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 : Schotky diode/肖特基二极管(Pressure control diode/稳压二极管, Axial series diodes/轴向系列二极管, Axial series diodes/桥堆系列二极管)
样品名称

Testing type /model : SOD123
测试型号

Additional type /model : DO-41/15/27/35, A-405, R-1/6/7, SMA, SMAF, SMA-W, SMB, SMBF, SMB-W, SMC, SOD123/323/523, SOD123FL, SOT23, LL-34/41, MBM, MBF, MBS, ABS, DB, DBS, GBL, KBP, FBS, GBP, GBU, KBJ, D5.
附加型号

Manufacturer : ANHUI RHONDA SEMICONDUCTOR CO., LTD
制造商 : 安徽荣达半导体有限公司

Address : JIMXIU ROAD OF HEFEI PACKAGE RIVERFRONT BINHU NEW CITY2 BUILDING, ROOM 2116

地址 : 合肥市包河区锦绣大道滨湖新地城市 2 幢办 2116 室

Sample received date : May 15, 2019
样品接收日期 : 2019.05.15

Testing period : May 15, 2019 - May 21, 2019
样品测试日期 : 2019.05.15 - 2019.05.21

Test requested : Please refer to the following page(s).
检测要求 : 请参见下页。

*****更多详细信息请查阅下一页*****

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

Tested by _____
主 检 李杏萍

Approved by _____
批 准 陈汉耀

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Test requested : 1. As specified by client, to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Diisobutyl phthalate (DIBP), Dibutyl phthalate(DBP), Benzyl butyl phthalate(BBP), Bis(2-ethyl(hexyl) phthalate)(DEHP) in the submitted sample(s) in accordance with RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863.

检测要求

根据客户要求, 依据 RoHS 指令 2011/65/EU 以及修订指令 (EU)2015/863, 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), 邻苯二甲酸丁苯酯(BBP), 邻苯二甲酸二(2-乙基己基)酯(DEHP)进行测试。

2. As specified by client, to test Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) in the submitted sample(s) in accordance with standard IEC/EN 61249-2-21:2003.

根据客户要求, 依据标准 IEC/EN 61249-2-21:2003, 对所提交样品中的氟(F), 氯(Cl), 溴(Br), 碘(I) 进行测试。

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 62321-7-2:2017 Ed.1.0	UV-Vis
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
Halogen(s)/卤素	EN 14582:2016	IC

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

1 Diode/二极管

Test Result(s): (检测结果)

1.

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		
Lead (Pb)/铅(Pb)	264	2	1000
Cadmium (Cd)/镉(Cd)	N.D.	2	100
Mercury (Hg)/汞(Hg)	N.D.	2	1000
Hexavalent Chromium (Cr(VI))/六价铬 (Cr(VI))	N.D.	8	1000

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		
Polybrominated Biphenyls(PBBs) 多溴二苯(PBBs)	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	--

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	1		
Polybrominated Diphenyl Ethers(PBDEs) 多溴二苯醚(PBDEs)	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	--

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		
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-ethyl(hexyl) phthalate)(DEHP)/ 邻苯二甲酸二(2-乙基己基)酯 CAS #:117-81-7	N.D.	50	1000

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2.

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)
Halogen(s)/卤素	1		
Fluorine (F)/氟	N.D.	50	--
Chlorine (Cl)/氯	N.D.	50	900
Bromine (Br)/溴	N.D.	50	900
Iodine (I)/碘	N.D.	50	--
Chlorine (Cl)/氯+ Bromine (Br)/溴	N.D.	--	1500

Note:

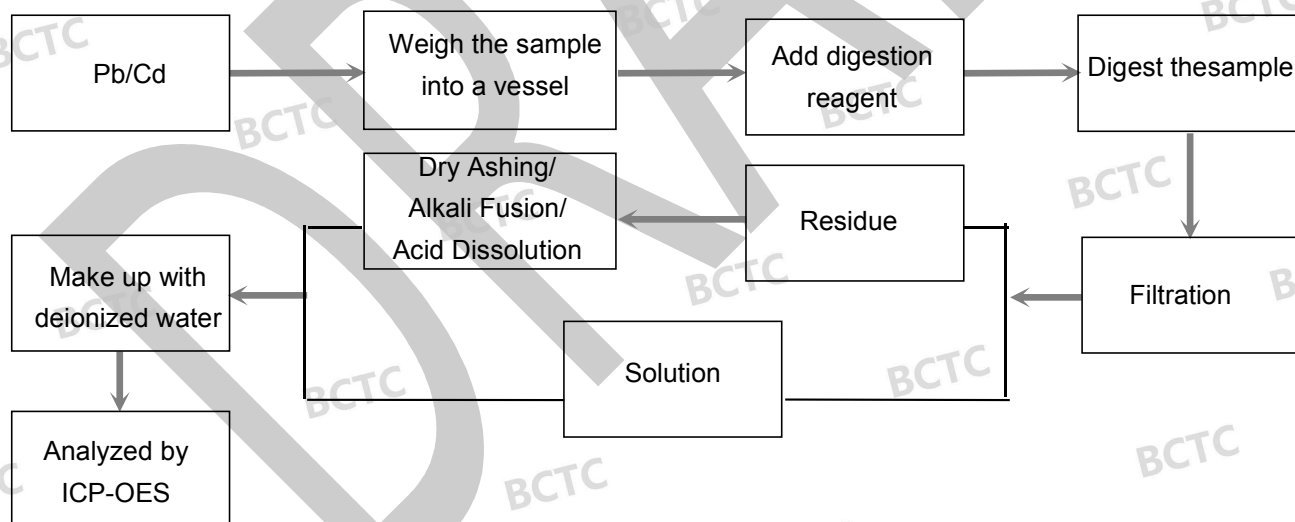
-N.D. = Not Detected (<MDL) = 未检出 (小于方法检测限)

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

-"--" = Not regulated. = 未规定

Test Process: (检测流程)

◆ IEC 62321-5:2013 Ed.1.0

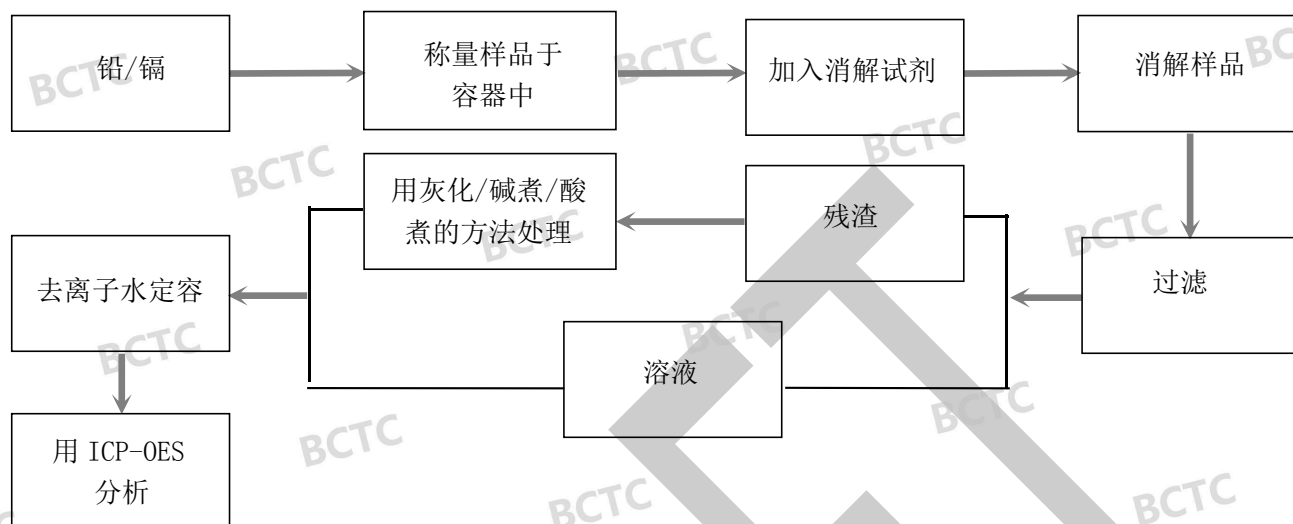


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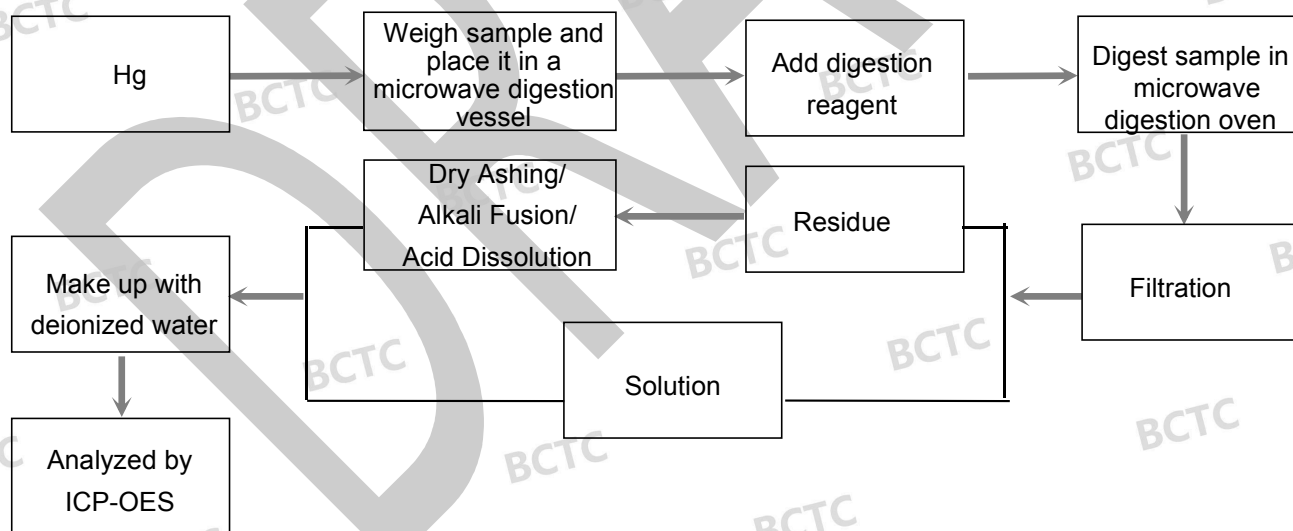
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◆ IEC 62321-4:2013+AMD1:2017

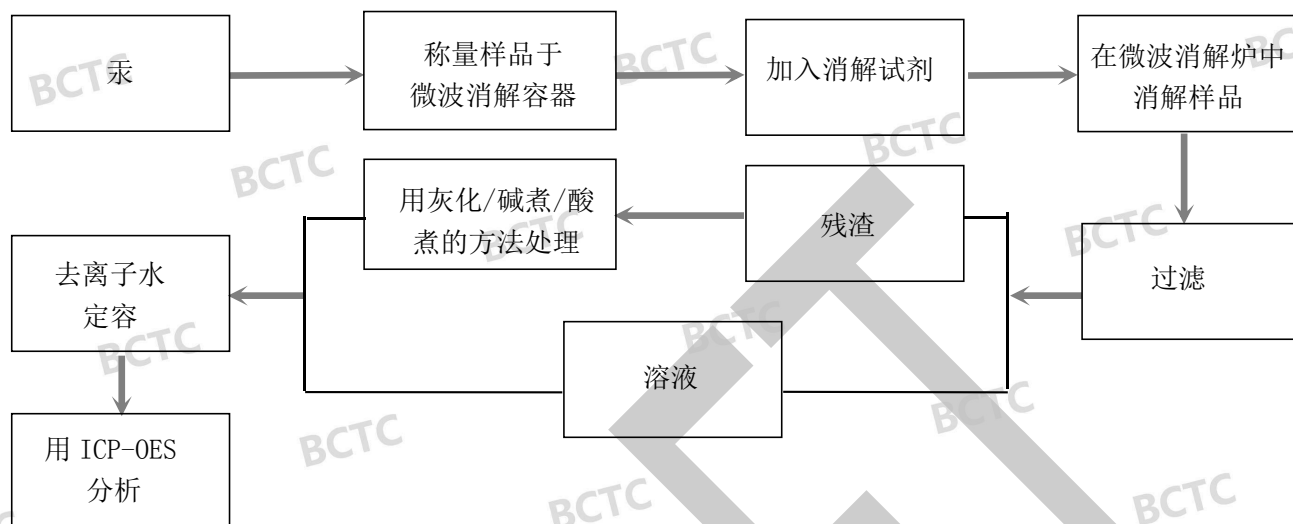


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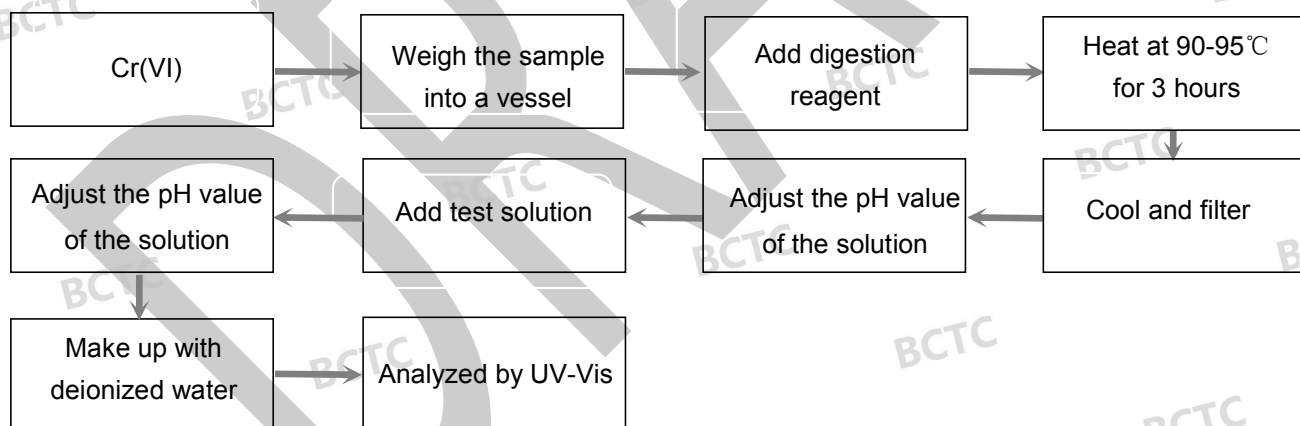
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◆ IEC 62321-7-2:2017 Ed.1.0

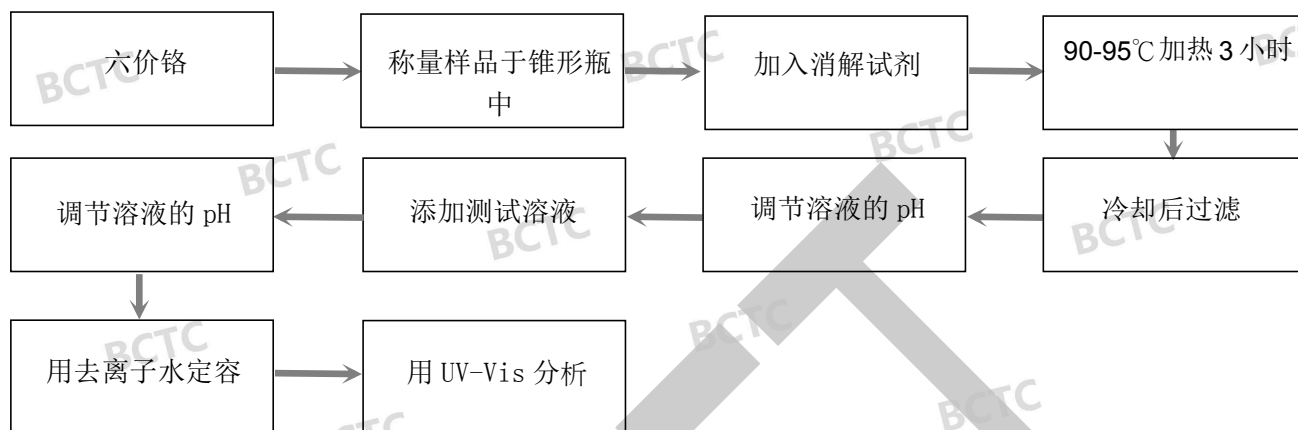


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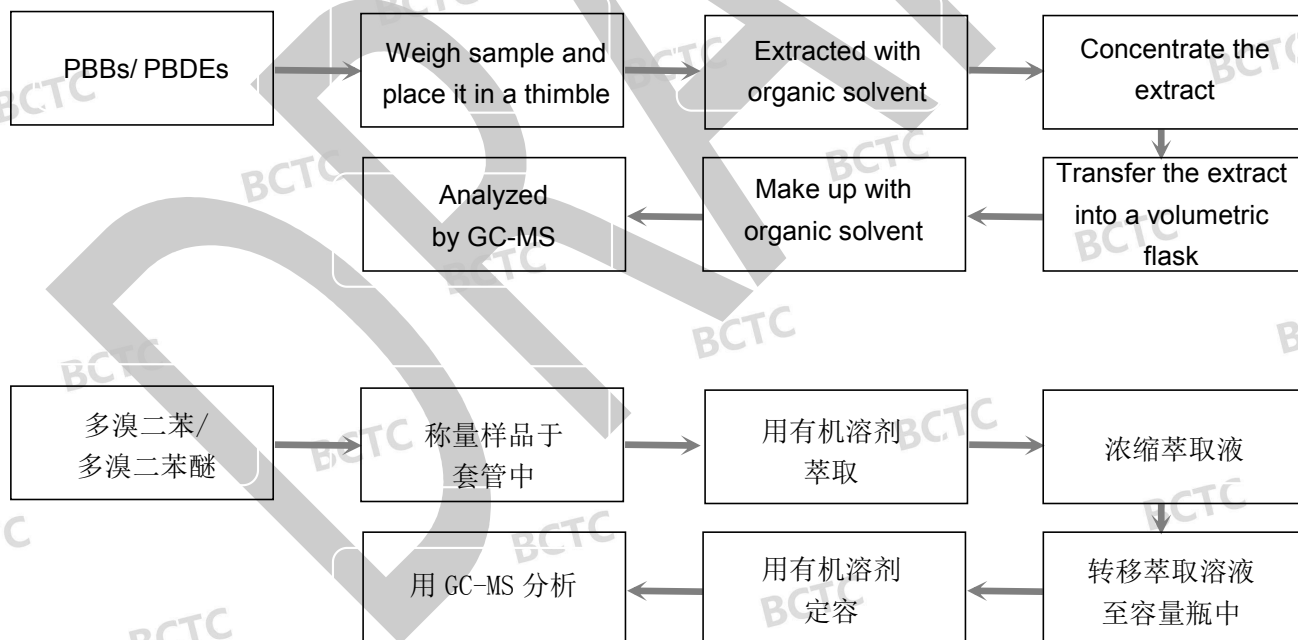
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◆ IEC 62321-6:2015 Ed.1.0





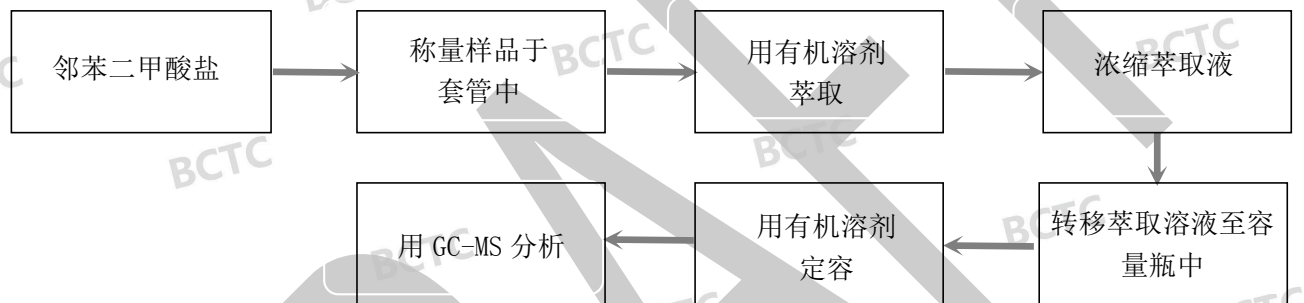
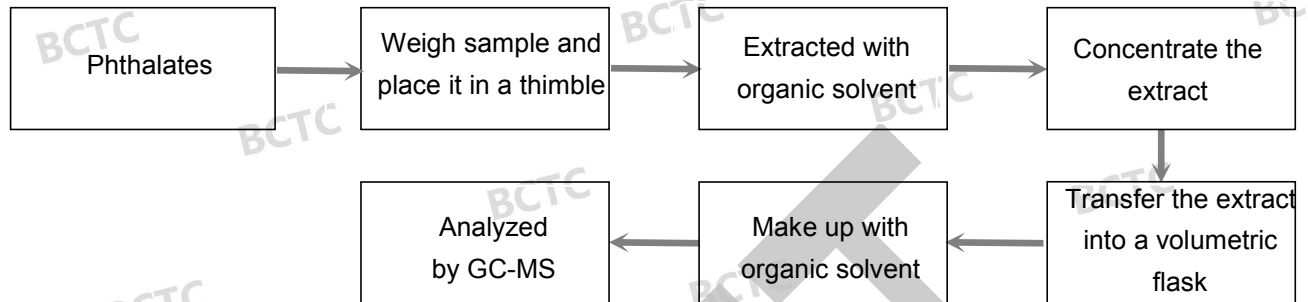
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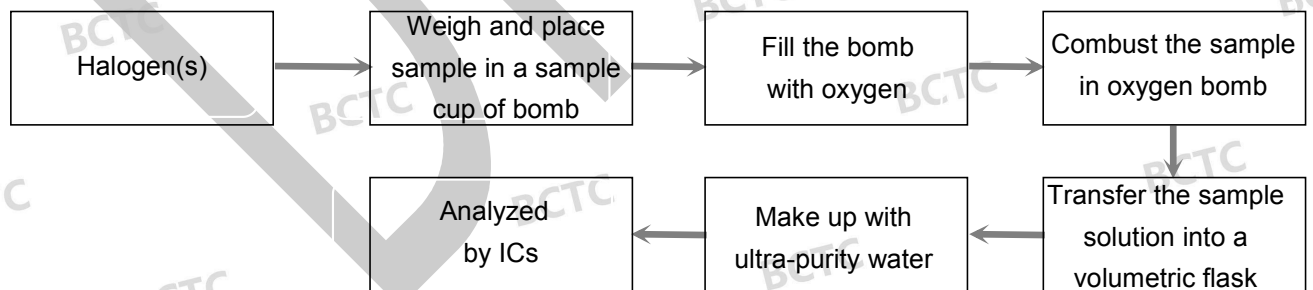
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◆ IEC 62321-8:2017 Ed.1.0



◆ EN 14582:2016

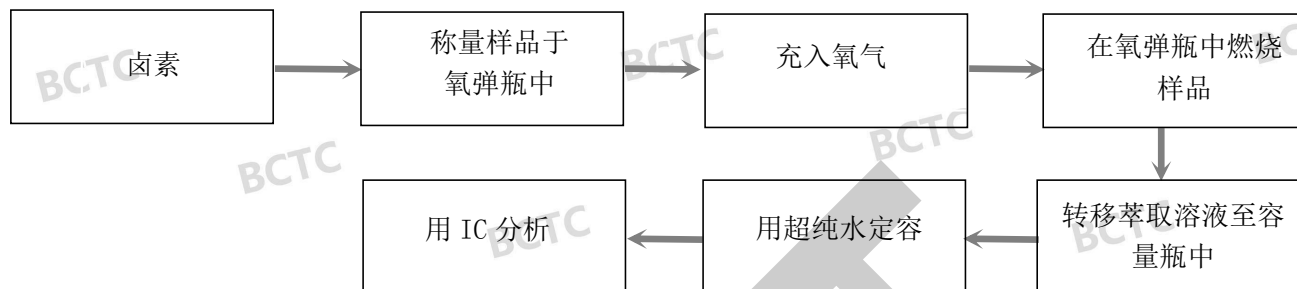


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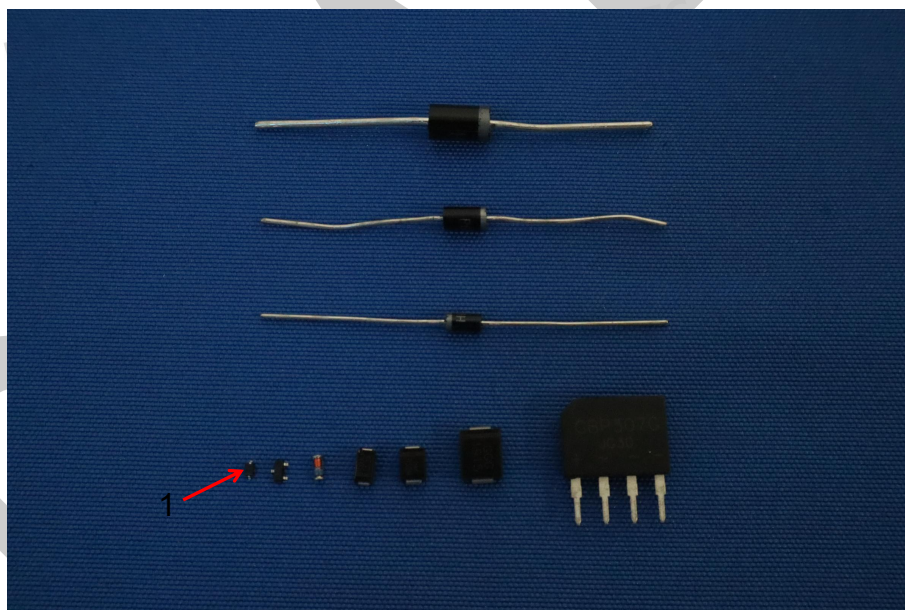
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Photograph of Sample

样品图片





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声 明 STATEMENT

1. 本次检测所用的测量设备的量值均可以溯源到国家计量标准。
The equipment lists are traceable to the national reference standards.
2. 检测报告未经本实验室书面批准, 不得部分复制。
The test report can not be partially copied unless prior written approval is issued from our lab.
3. 报告未加盖“检测专用章”无效。
The test report is invalid without stamp of laboratory.
4. 报告无检测、批准人员签字无效。
The test report is invalid without signature of person(s) testing and authorizing.
5. 本次检测的结果仅对所检测样品有效。
The test process and test result is only related to the Unit Under Test.
6. 本实验室的质量体系符合 **ISO/IEC17025** 标准的要求。
The quality system of our laboratory is in accordance with ISO/IEC17025.
7. 如对本报告有异议, 可在收到报告后 **15** 天内向本单位申诉, 逾期不予受理。
If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

地 址: 深圳市宝安区福永街道桥头社区福园一路鹏洲工业园B栋东面1楼2楼及倍测检测大厦
邮政编码/P.C.: 518103

Address: BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road,
Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China

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网址/Internet: <http://www.bctc-lab.com>

电子信箱/E-Mail: bctc@bctc-lab.com.cn

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