



检测报告(Test Report)

报告编号(Report No.): WTX23H02011862C

日期(Date): 2023/2/8

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委托单位: 深圳市蓝宝安科电子有限公司

Applicant: Shenzhen lanbao Anke Electronics Co., Ltd

单位地址: 深圳市宝安区西乡航城工业区建源智创园 A1 栋

Address: Building A1, Jianyuan Zhichuang Park, Xixiang Hangcheng Industrial Zone, Bao'an District, Shenzhen

样品信息(Sample Information):

样品名称(Sample Name): SMD FUSE 0603 1206

样品型号(Sample Model): 0603, 1206

制造商(Manufacturer): 中山市蓝宝电器有限公司(ZhongShan Lanbao Electrical Appliances Co., LTD)

制造商地址(Manufacturer address): 广东省中山市黄圃镇兴圃大道西 102 号
(No.102-3 Xingpu Rd. Huangpu,Zhongshan,Guangdong)

委托日期(Sample Received Date): 2023/2/3

检测日期(Testing Period): 2023/2/3 - 2023/2/8

检测要求(Test Requested):

根据客户要求, 参照欧盟 RoHS 指令 2011/65/EU 及其修订指令 EU 2015/863, 检测样品中的铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP 的含量(As specified by client, to determine the Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the sample with reference to EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863.).

检测结果(Test Result):

请参见后续页(Please refer to following page(s)).

授权签字人

Signed for and on behalf of HCT

黄胜明 Michael Huang

黄胜明 Michael Huang





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检测结果(Test Result(s)):

单位(Unit): mg/kg

检测项目 (Test Items)	检测方法/仪器 (Test Method/ Equipment)	方法 检出限 (MDL)	含 量 (Content)	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863
铅 Lead(Pb)	IEC 62321-5:2013.	2	36	1000
镉 Cadmium(Cd)	ICP-OES/AAS	2	N.D.	100
汞 Mercury(Hg)	IEC 62321-4:2013 +AMD1:2017. ICP-OES	2	N.D.	1000
六价铬 Hexavalent Chromium(Cr(VI))	IEC 62321-5:2013/ IEC 62321-7-2:2017. ICP-OES/AAS UV-VIS	8	N.D.	1000
一溴联苯 Mono-bromobiphenyl	IEC 62321-6:2015. GC-MS	5	N.D.	—
二溴联苯 Di-bromobiphenyl		5	N.D.	
三溴联苯 Tri-bromobiphenyl		5	N.D.	
四溴联苯 Tetra-bromobiphenyl		5	N.D.	
五溴联苯 Penta-bromobiphenyl		5	N.D.	
六溴联苯 Hexa-bromobiphenyl		5	N.D.	
七溴联苯 Hepta-bromobiphenyl		5	N.D.	
八溴联苯 Octa-bromobiphenyl		5	N.D.	
九溴联苯 Nona-bromobiphenyl		5	N.D.	
十溴联苯 Deca-bromobiphenyl		5	N.D.	
多溴联苯 Polybrominated Biphenyls(PBBs)		—	N.D.	1000
一溴二苯醚 Mono-bromodiphenyl ether	IEC 62321-6:2015. GC-MS	5	N.D.	—
二溴二苯醚 Di-bromodiphenyl ether		5	N.D.	
三溴二苯醚 Tri-bromodiphenyl ether		5	N.D.	
四溴二苯醚 Tetra-bromodiphenyl ether		5	N.D.	
五溴二苯醚 Penta-bromodiphenyl ether		5	N.D.	
六溴二苯醚 Hexa-bromodiphenyl ether		5	N.D.	
七溴二苯醚 Hepta-bromodiphenyl ether		5	N.D.	
八溴二苯醚 Octa-bromodiphenyl ether		5	N.D.	
九溴二苯醚 Nona-bromodiphenyl ether		5	N.D.	
十溴二苯醚 Deca-bromodiphenyl ether		5	N.D.	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)		—	N.D.	1000





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检测项目 (Test Items)	检测方法/仪器 (Test Method/ Equipment)	方法检出限 (MDL)	含量 (Content)	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)	IEC 62321-8:2017, GC-MS	30	N.D.	1000
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)		30	N.D.	1000
邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) Phthalate (DEHP)		30	N.D.	1000
邻苯二甲酸二异丁酯 Di-iso-butyl phthalate (DIBP)		30	N.D.	1000

备注(Note):

“—”=Not regulated 无规定

mg/kg (milligram per kilogram 毫克每千克) = ppm (parts per million 百万分之一)

MDL=Method Detection Limit 方法检出限

N.D.=Not Detected(less than method detection limit), 未检出 (小于方法检出限)

Results shown as N.D. are ignored in the sum calculation.结果显示为 N.D.不计入总和的计算。

The detected Chromium (Cr) content is "N.D.", therefore, the Hexavalent Chromium (Cr (VI)) content is "N.D.", No need for validation test of the Hexavalent Chromium (Cr (VI)).检测的铬 (Cr) 含量是 “N.D.”，则六价铬 (Cr(VI)) 含量也是 “N.D.”，不需要进行六价铬 (Cr(VI)) 的确认性测试。

If Chromium (Cr) content exceeds Hexavalent Chromium (Cr (VI)) method detection limit, Validation test of the Hexavalent Chromium (Cr (VI)) is required.

若铬 (Cr) 含量超过六价铬 (Cr(VI)) 方法检出限，需要进行六价铬 (Cr(VI)) 的确认性测试。

As specified by client, only test the designated sample.根据客户要求，只检测指定的样品 (部位)。

样品描述(Sample Description):

序号 (No.)	HCT 样品 ID (HCT Sample ID)	检测点描述 (Test Part Description)	
1	WTX23H02011862C.1	1	灰绿色/白色本体 Gray green / white body





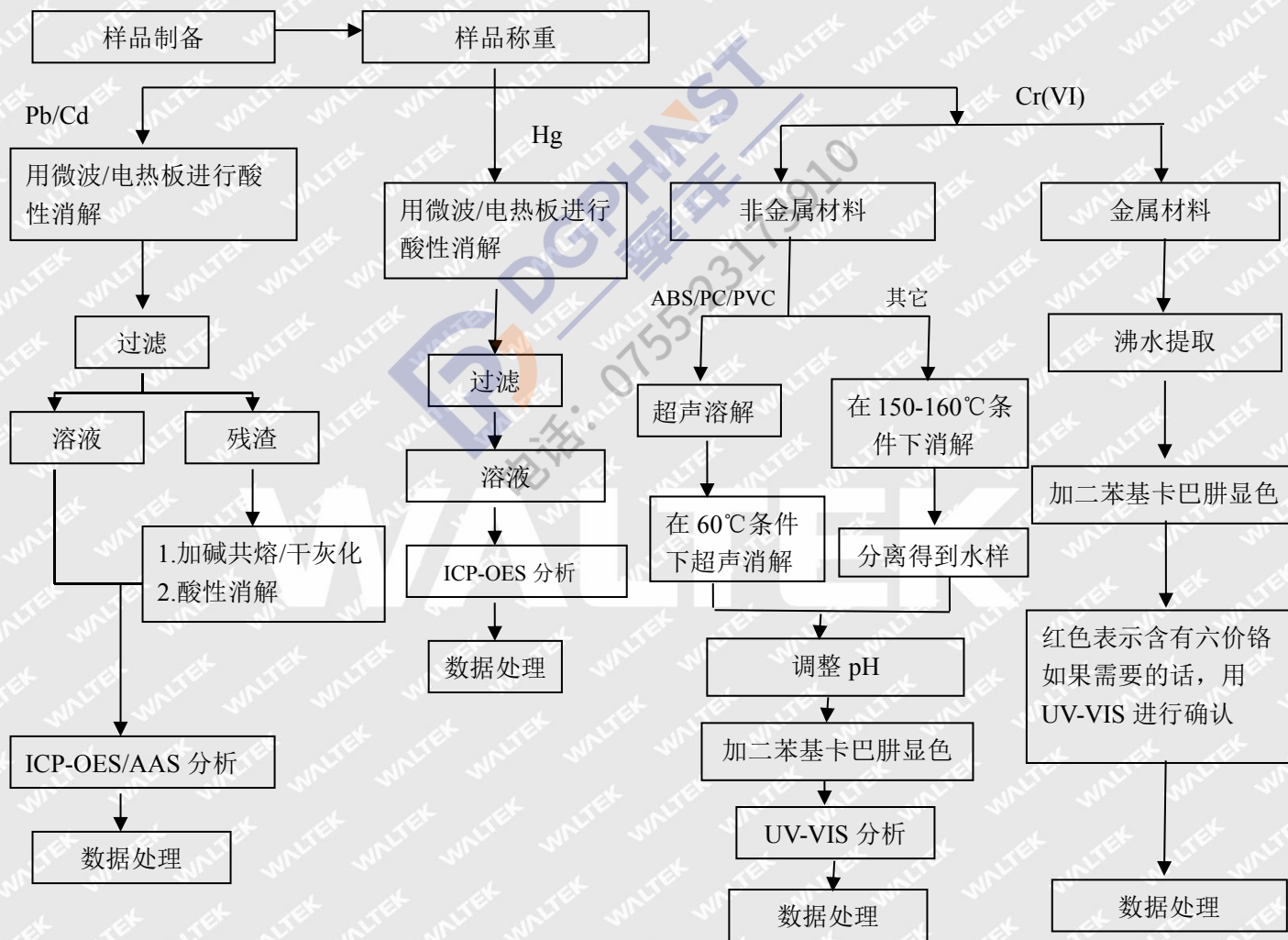
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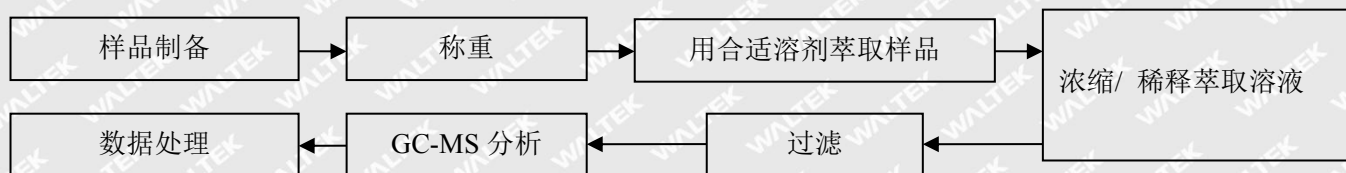
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铅、镉、汞、六价铬、多溴联苯、多溴二苯醚的检测流程图



根据以上的流程图之条件, 样品已经完全溶解(六价铬检测方法除外)。

PBBs/PBDEs





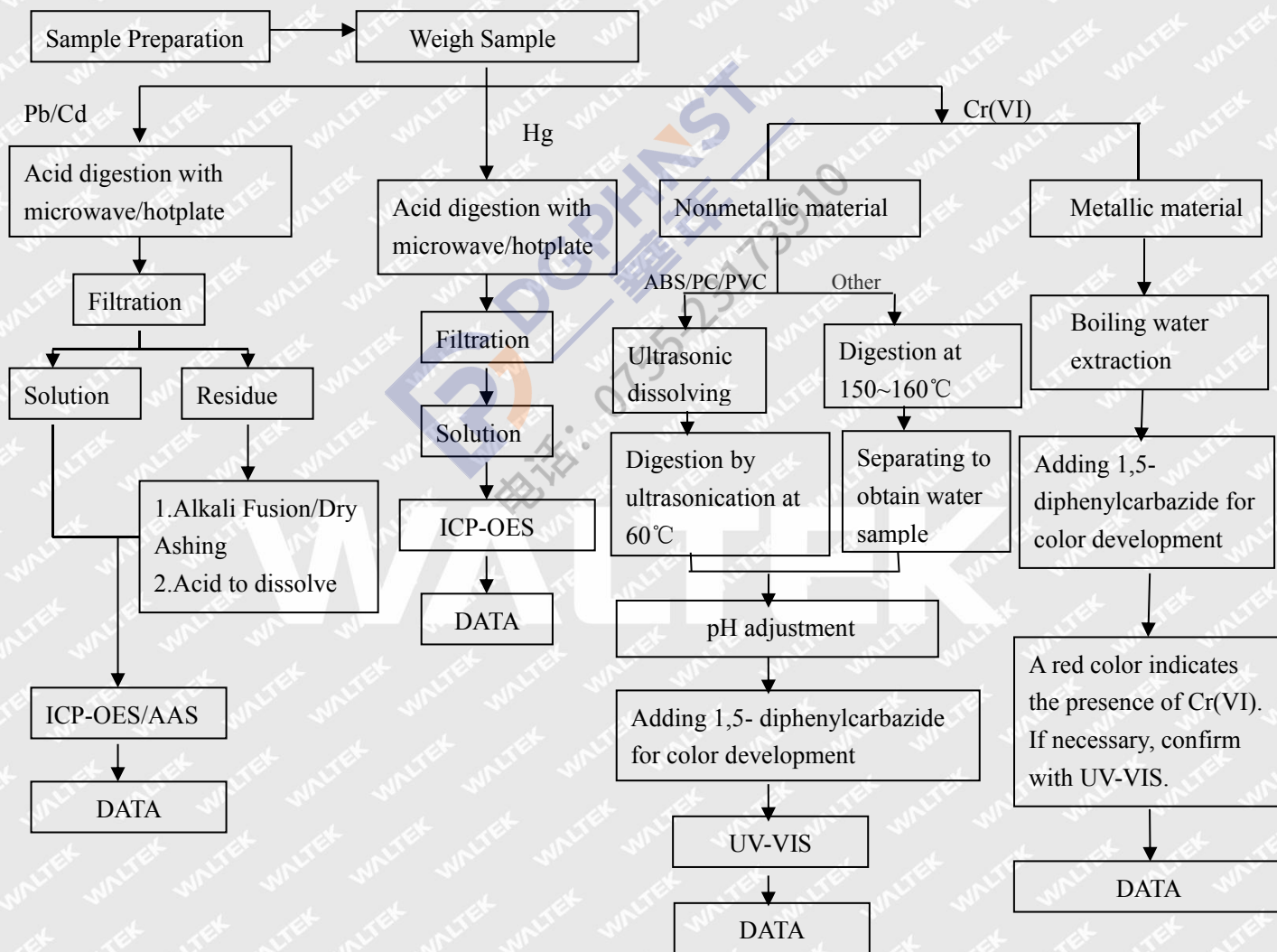
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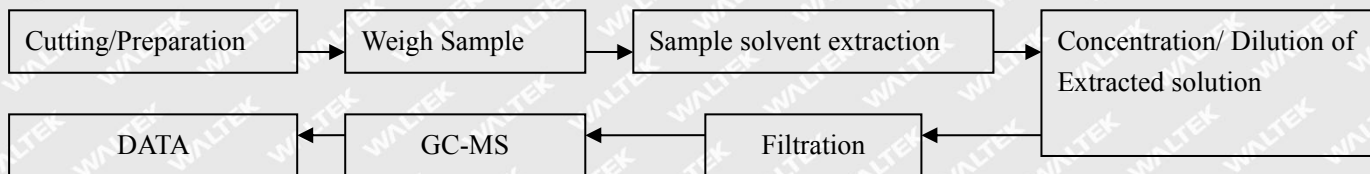
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Test Flow Chart for Pb, Cd, Hg, Cr(VI), PBBs, PBDEs



These sample were dissolved totally by pre-conditioning method according to above flow chart(Cr(VI) test method excluded)

PBBs/PBDEs





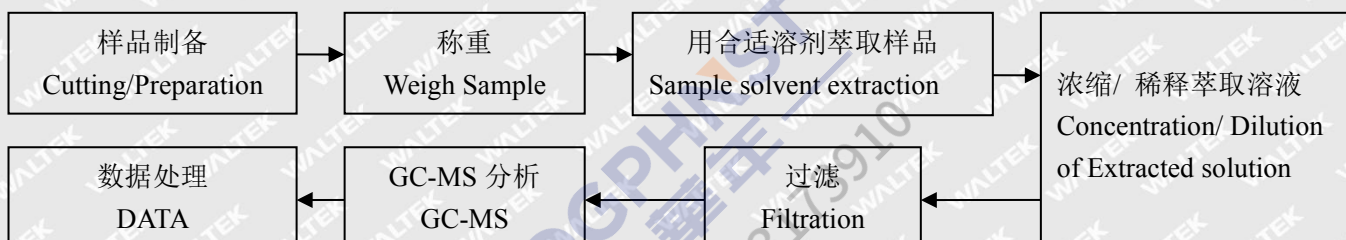
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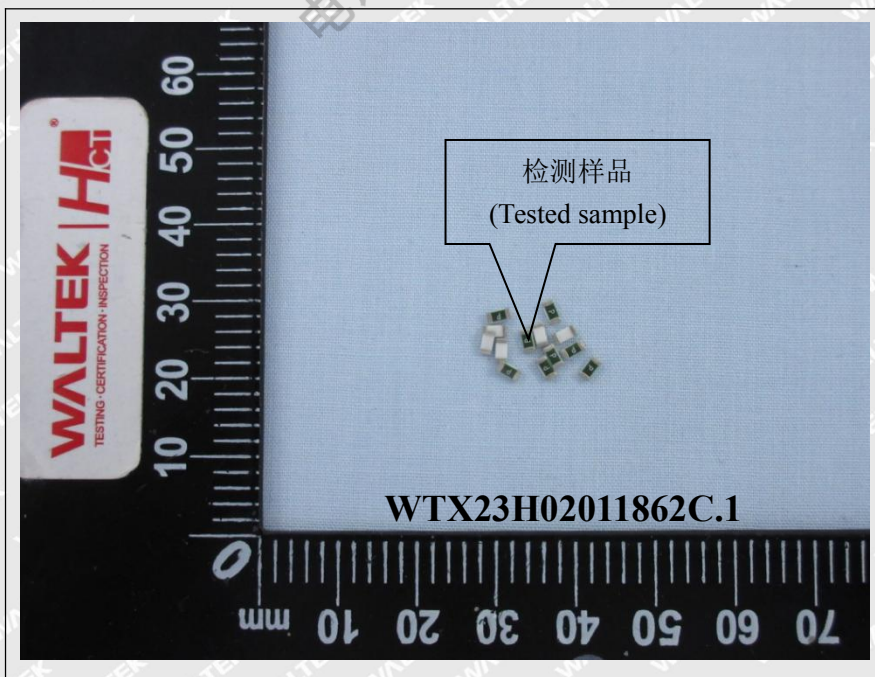
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DBP, BBP, DEHP, DIBP 的检测流程图 (Test Flow Chart for DBP, BBP, DEHP, DIBP)



样品附图(The photo of the sample)





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客户参考图片 (未做检测的样品) (Client's reference photo(Non-tested sample))



声明(Statement):

1. 检测报告无批准人签字和专用章无效;
This report is considered invalid without approved signature and special seal;
2. 委托单位及地址, 样品和样品信息由委托方提供, 委托方应对其真实性负责, HCT 未核实其真实性;
The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified;
3. 本报告检测结果 (结论) 仅对受测样品负责;
The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested;
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报告结束(End)

