

检测报告

编号: SZXEC24000019302

日期: 2024年01月09日

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客户名称: 深圳市华轩阳电子有限公司
客户地址: 深圳市福田区中航路鼎诚大厦20楼-2013

样品名称: SOT-23
客户参考信息: SOT-23,SOT-23-3L,SOT-23-5L,SOT-23-6、SOT-323,SOT-523,SOT-723,SOT-923、SOD-123,SOD-323,SOD-523,SOD-723,SOD-923、SMD,SOP-8,MSOP-8,MSOP-10、DNF0603,DFN1006,DFN1006-3L,DFN2510P8,DFN2510P10,DFN2020-3L,DFN-1608,DFN1610,DFN2710,DFN3810,TOLL、SOD882,SOT883,SOT363,SOT563,SOT-666,SOT-143,SOT-553,SOT-89,SOT-353,SOT-223,SC-70-6,SC-59,SC-75、DFN2X2-6L,DFN3X3,DFN5X6,DFN8X8、TO-92、DO-214AC/SMA,DO-214AA/SMB,DO-214AB/SMC,SMAF,SMBF,SMCF,SOD-123FL,SOD-123SL,SOD-323FL、DFN,QFN,WBFBP-03E,WBFBP-02C、TO-252,TO-252-4L,TO-277,TO-263,TO-263-5L,TO-263-7L,TO-220AB,TO-220F,TO-220F-2L,TO-220AC,TO-247,TO-247-2L,TO-247-4L,TO-126,TO-251、ZIP-15、LL-34,LL-41、DIP、DO-15,DO-27,DO-41、ABS,DBS,GBP,GBU,JBF,JBSL,KBL,KBU,MBF,MBS,UMSB、0201,0402,0603,0805,1206,1812、ESOP-8,SSOP-8,TSOP-8,TSSOP-8,MSOP-12,SOP-14,SSOP-14,TSSOP-14,SOP-16,MSOP-16,SSOP-16,TSSOP-16,SOP-18,SOP-20,SSOP-20,TSSOP-20

以上样品及信息由客户提供。

SGS 工作编号: SZP23-034515
样品接收时间: 2024年01月03日
检测周期: 2024年01月03日 ~ 2024年01月09日
检测要求: 根据客户要求检测
检测方法: 见后续页。
检测结果: 见后续页。

通标标准技术服务有限公司深圳分公司
授权签名

范萍

Tina Fan 范萍
批准签署人

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检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合

检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	SZX24-0000193-0001.C001	"SOT-23"

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A1
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	5	ND
二溴联苯 (DiBB)	-	mg/kg	5	ND
三溴联苯 (TriBB)	-	mg/kg	5	ND
四溴联苯 (TetraBB)	-	mg/kg	5	ND
五溴联苯 (PentaBB)	-	mg/kg	5	ND
六溴联苯 (HexaBB)	-	mg/kg	5	ND
七溴联苯 (HeptaBB)	-	mg/kg	5	ND
八溴联苯 (OctaBB)	-	mg/kg	5	ND
九溴联苯 (NonaBB)	-	mg/kg	5	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND
二溴二苯醚 (DiBDE)	-	mg/kg	5	ND
三溴二苯醚 (TriBDE)	-	mg/kg	5	ND



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检测项目	限值	单位	MDL	A1
四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND
九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 2021年7月22号开始, DEHP, BBP, DBP 和 DIBP 的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 (w=0) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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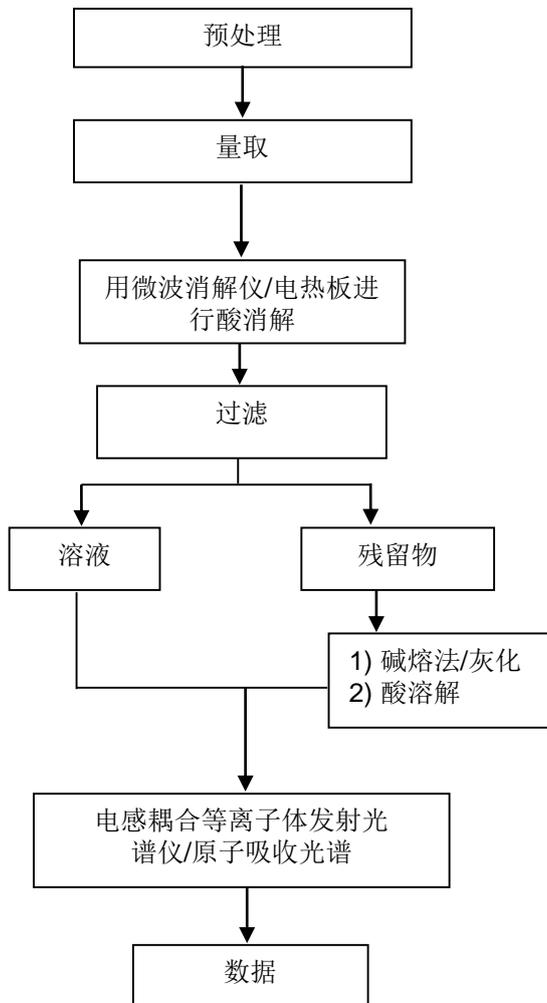
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附件

元素检测流程图

样品按照下述流程被完全消解



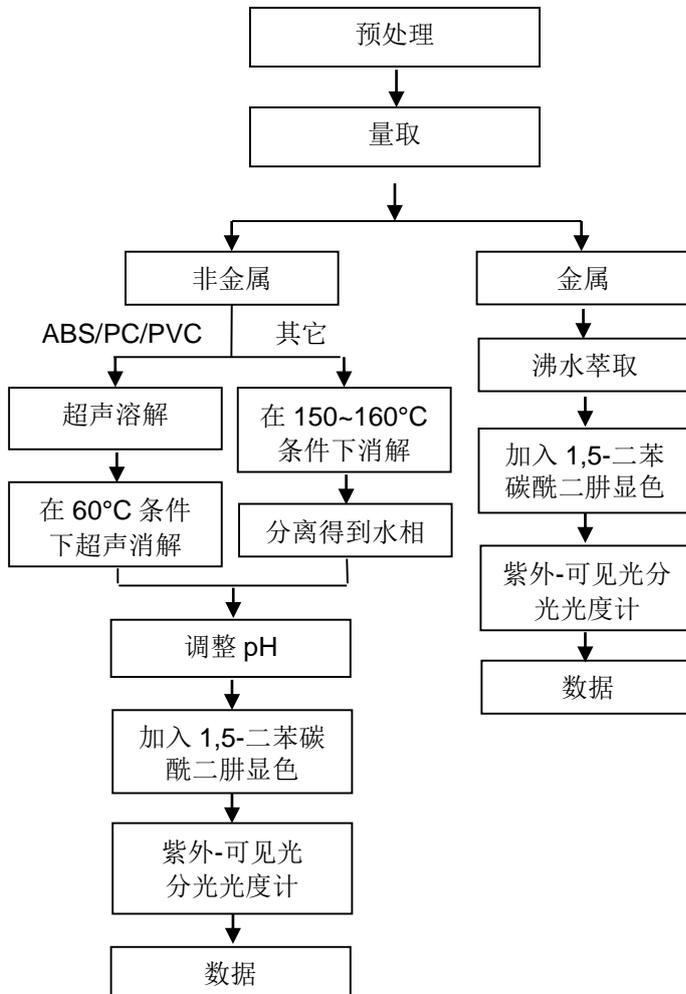
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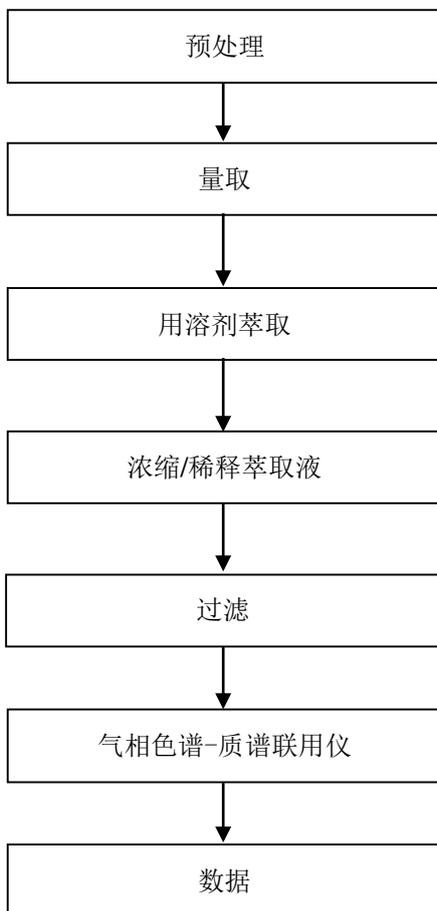
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六价铬检测流程图



PBBs/PBDEs 检测流程图



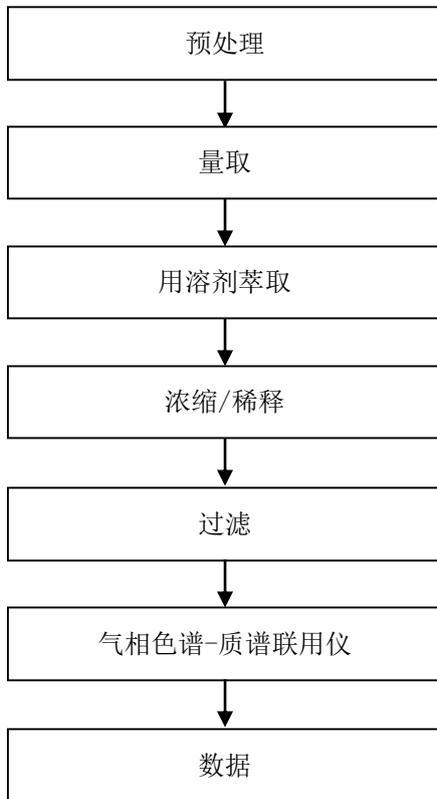
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Phthalates 检测流程图



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