

检测报告

编号: SZXEC23000182804

日期: 2023 年 03 月 10 日

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客户名称: 深圳市永源微电子科技有限公司

客户地址: 深圳市宝安区福永街道桥头富桥第四工业区 B3 栋 303

样品名称: 半导体元器件

型号: TO252-3L

客户参考信息: QFN2*2-6L, QFN2*3-6L, PDFN3*3-8L, PDF5*6-8L, SOP-8L, ESOP-8L, TSSOP-8L, SOT23L, SOT23-3L, SOT23-5L, SOT23-6L, SOT523-3L, SOT89-3L, SOT223-3L, SOT363-6L, TO252-4L, TO251S-3L, TO251L-3L, TO220-3L, TO220F-3L, TO263-3L, TOL263-6L, TO247-3L, TO247-3L PLUS, TO-92-3L, DFN8*8-6L, TOLLA-8L, WQFN3*3-8L

以上样品及信息由客户提供。

SGS 工作编号: RP23-004079

样品接收时间: 2023 年 03 月 02 日

检测周期: 2023 年 03 月 02 日 - 2023 年 03 月 07 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

Mescal Ye 叶晓键
批准签署人

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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	SZX23-0001828-0001.C001	"半导体元器件"(混合)

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

铅、汞、镉、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、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)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, UV-Vis 和 GC-MS 进行分析。

检测项目	单位	MDL	A1
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	15877
汞 (Hg)	mg/kg	2	ND
六价铬(Cr(VI))	mg/kg	8	ND
多溴联苯之和(PBBs)	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(PBDEs)	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
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



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检测项目	单位	MDL	A1
十溴二苯醚(DecaBDE)	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	mg/kg	50	ND

备注: 样品的检测是基于申请人要求混合检测, 报告中的混合检测结果不代表其中个别单一材质的含量, 该检测数据仅供参考。

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。



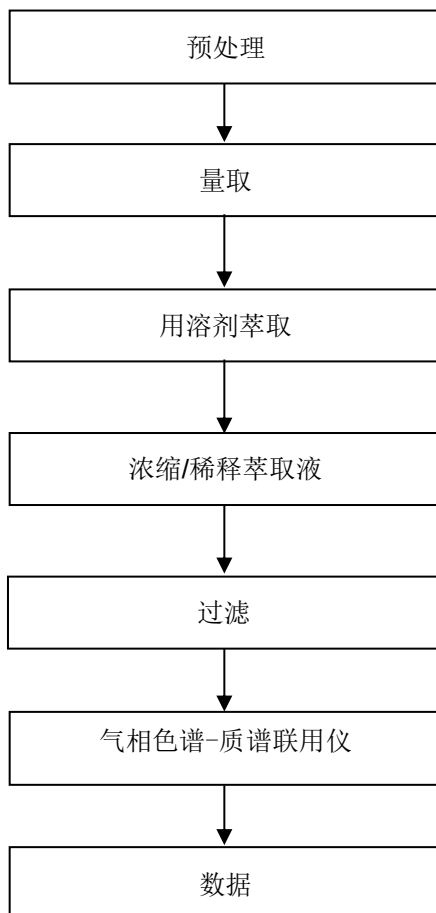
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PBBs/PBDEs 检测流程图



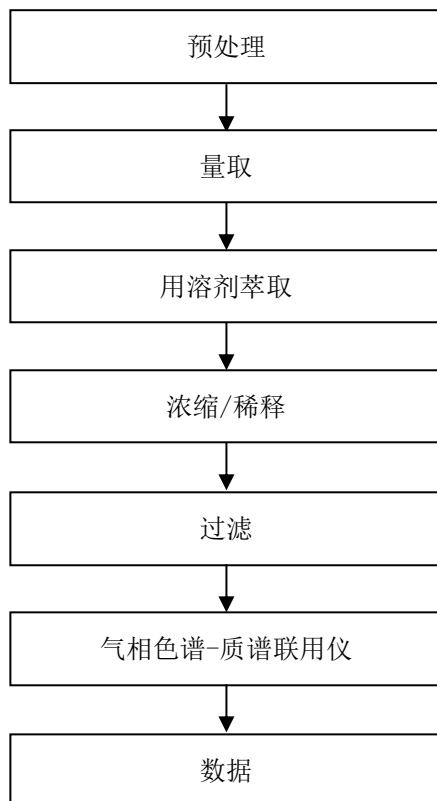
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Phthalates 检测流程图



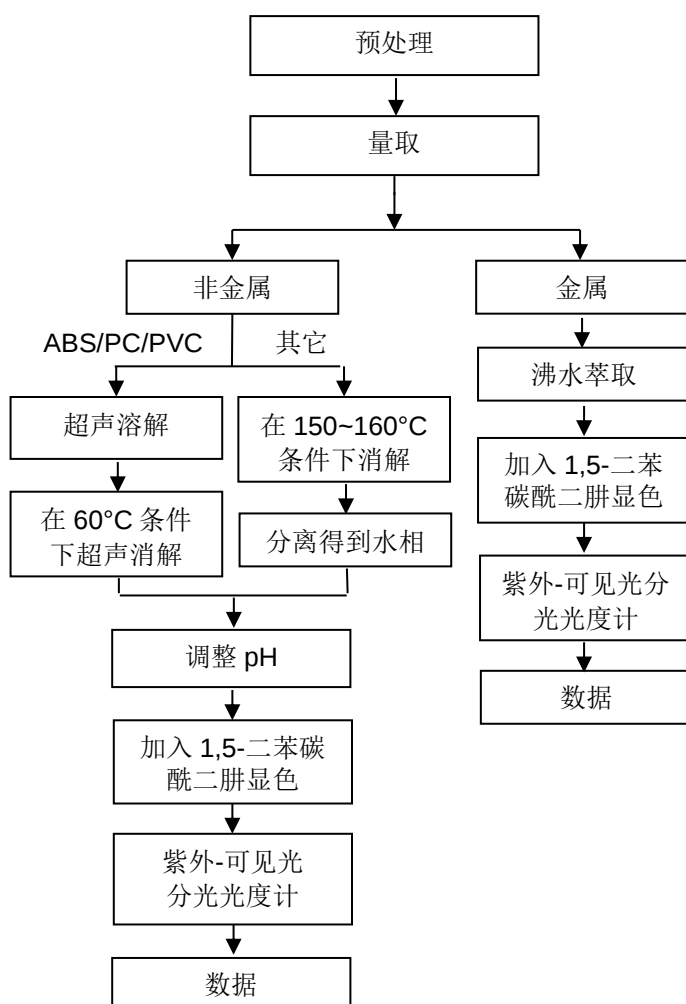
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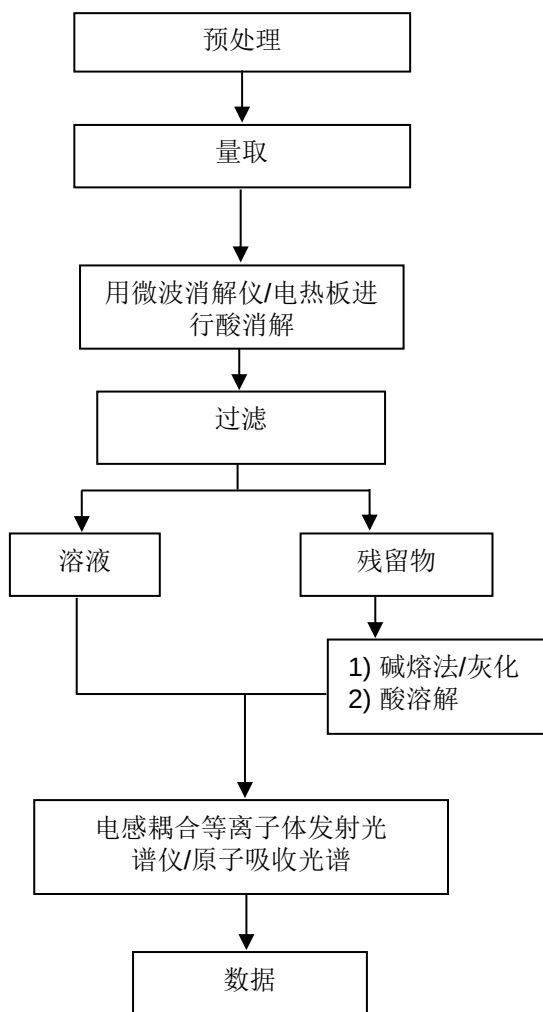
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六价铬检测流程图



元素 (IEC62321) 检测流程图

样品按照下述流程被完全消解



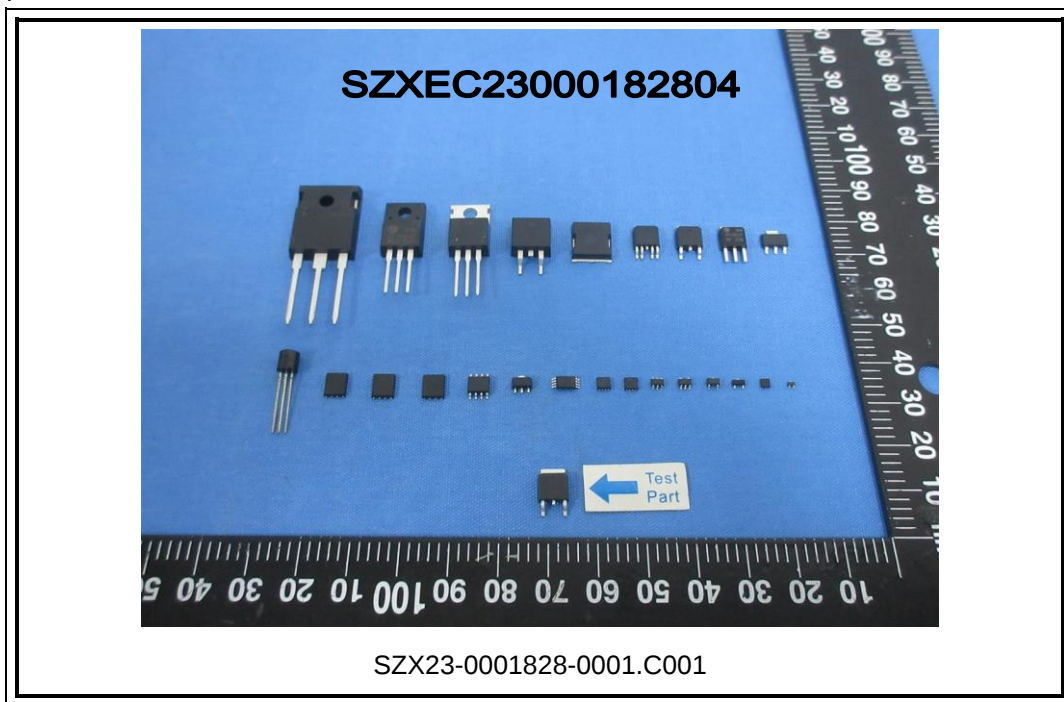
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