

## 检测报告

编号: SZXEC25002783502

日期: 2025年08月07日

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客户名称: 四川拓电半导体有限公司  
客户地址: 遂宁市玉龙路电子产业孵化中心

样品名称: SOD-523

客户参考信息: 请见附件

以上样品及信息由客户提供。

SGS 工作编号: SZP25-039653

样品接收时间: 2025年08月01日

检测周期: 2025年08月01日 ~ 2025年08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。

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

通标标准技术服务有限公司深圳分公司  
授权签名



Tina Fan 范萍  
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	SZX25-0027835-0001.C001	“SOD-523”

## 备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = 方法检出限
- (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 和 IEC 62321-12:2023, 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	25	ND
二溴联苯 (DiBB)	-	mg/kg	25	ND
三溴联苯 (TriBB)	-	mg/kg	25	ND
四溴联苯 (TetraBB)	-	mg/kg	25	ND
五溴联苯 (PentaBB)	-	mg/kg	25	ND
六溴联苯 (HexaBB)	-	mg/kg	25	ND
七溴联苯 (HeptaBB)	-	mg/kg	25	ND
八溴联苯 (OctaBB)	-	mg/kg	25	ND
九溴联苯 (NonaBB)	-	mg/kg	25	ND
十溴联苯 (DecaBB)	-	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND

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检测项目	限值	单位	MDL	A1
九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	25	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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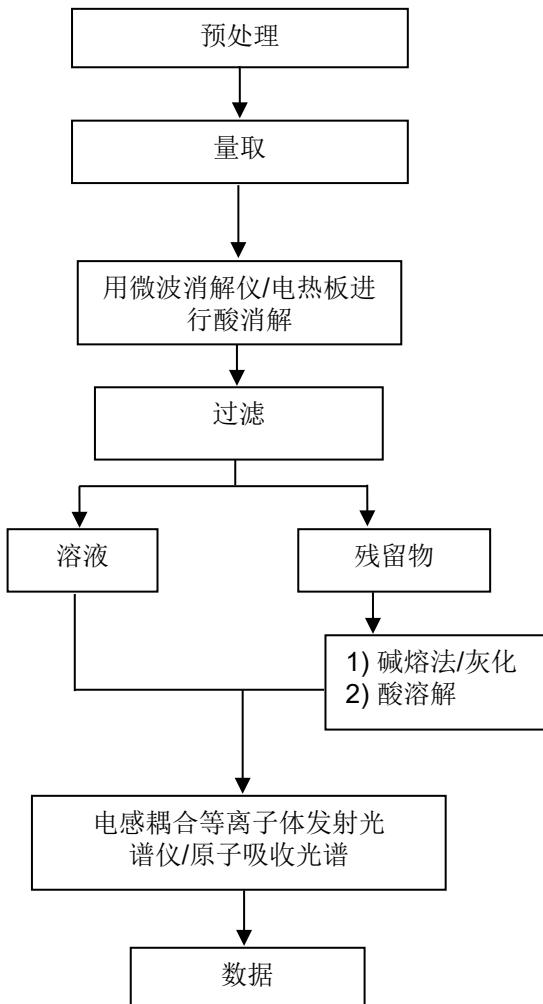
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附件

## 元素检测流程图

样品按照下述流程被完全消解



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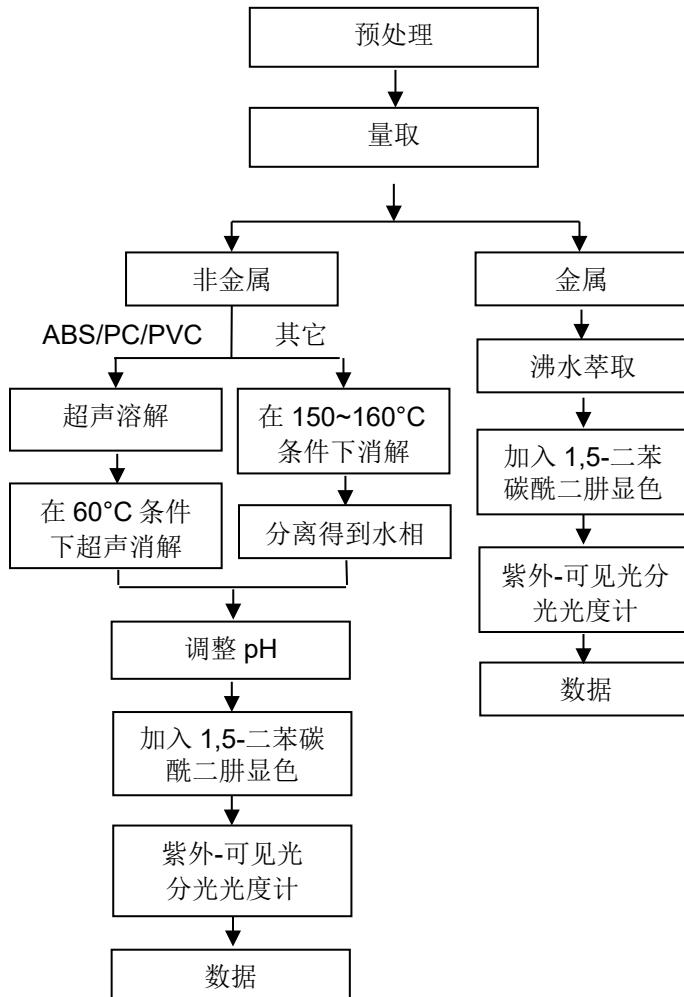
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## 六价铬检测流程图



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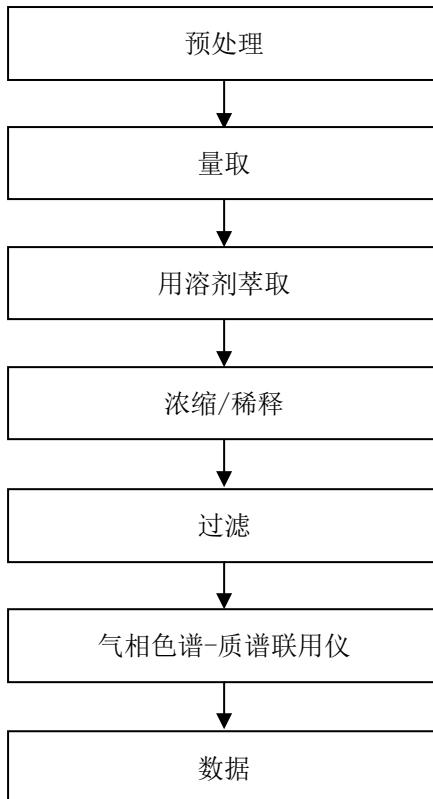
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### PBB/PBDE/Phthalates 检测流程图



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附件:

SOT-23(TO-236)	TO-263-5	GBL
SOP-8	DFN1006-3(SOT-883)	KBJ
TO-252	GlassMELF(LL-41)	LGA-12(2x2)
SOD-323(SC-90)	TO-263-7	LGA-14(2.5x3)
DFN-8(5x6)	DIP-8	LQFP-48(7x7)
TO-247	GBU	QFN-14(1.4x1.8)
DFN1006-2(SOD-882)	TO-252-4L	QFN-8(5x6)
DFN-8(3x3)	DFN-8(8x8)	SMD-6P
SOD-123	SMAF(DO-214AD)	SOP-18
SMB(DO-214AA)	SOP-4	SOP-28
SOD-523(SC-79)	SOT-143	SOP-4-300mil-2.54mm
SMA(DO-214AC)	TO-247-3	SOT-89-5
SMC(DO-214AB)	KBP	SSOP-28
SOT-23-5	TO-277	SSOP-48
SOT-89	TO-3P	TO-92S
SOT-323(SC-70)	DBS	WLCSP-36(2.4x2.4)
DFN-10(1x2.5)	SOT-723	BGA-12
TO-247-4	TO-220-5	BGA-36
DFN0603-2	SOT-353	DFN-10
SOT-523(SC-75)	ABS	DFN-3L(2x2)
SOT-363	MBS	DFN-4(8x8)
SOT-223	SMD-4P	DFN-6(1x1)
SOT-23-6	KBL	DFN1308-5L
TO-220-2	KBU	LQFP-64(7x7)
TO-220	TOLL-8L	MBF
TO-252-2L(DPAK)	DFN1610-2	MiniMELF
TO-220F	DIP-4	QFN-18(2x2.8)
TO-247-2	GBJ	SMD-8P
TO-220F-2	QFN-10(1.4x1.8)	SOT-227
SOD-923	QFN-10(1.5x2)	SOT-563
MiniMELF(SOD-80)	SOP-20	SSOP-24
TO-263	SOP-8-EP	TO-263-3
SOP-14	SSOP-4	TO-264

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TO-92	UMSB	WLCSP-9(1.2x1.2)
SOP-16	插件,P=10mm	ZIP-15
TO-3PF	DFN-3(2x2)	ZIP-25
MSOP-8	DIP-14	插件,P=15mm
TSSOP-8	DIP-6	插件,P=27.5mm



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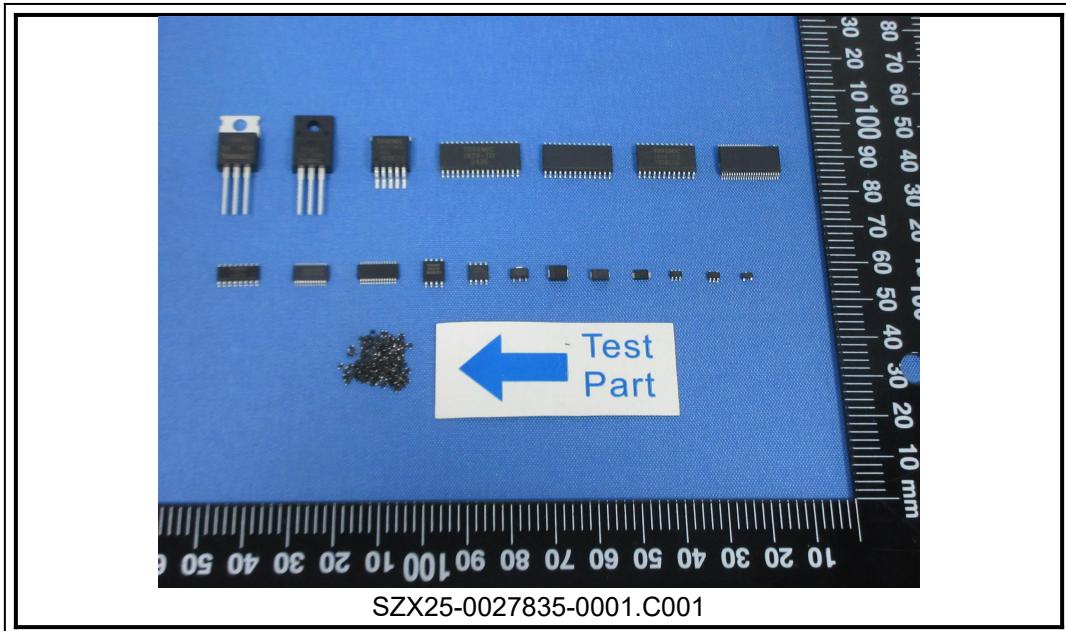
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