

检测报告

编号: SZXEC25000839510

日期: 2025 年 03 月 24 日

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客户名称: 广东纽航电子科技有限公司
客户地址: 广东省东莞市东城街道樟村大园路 3 号 1 栋 301 室

样品名称: 半导体元器件
型号: SOD-323
客户参考信息: 请见附页
以上样品及信息由客户提供。

SGS 工作编号: SZP25-012274
样品接收时间: 2025 年 03 月 18 日
检测周期: 2025 年 03 月 18 日 ~ 2025 年 03 月 24 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
美国加州法案 65 - 双酚 A	符合
美国加州法案 65 - 铅	符合
美国加州法案 65 - 镉	符合
美国加州法案 65 - 邻苯二甲酸酯	符合

通标标准技术服务有限公司深圳分公司
授权签名

倪磊

Andy Ni 倪磊
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	SZX25-0008395-0001.C001	“半导体元器件”

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

美国加州法案 65 - 双酚 A

检测方法: 参考 US EPA 3550C: 2007, 采用 HPLC-DAD/MS / LC-MS/MS 进行分析。

检测项目	CAS No.	限值	单位	MDL	A1
双酚 A	80-05-7	3.0	mg/kg	1.0	ND
结论					符合

备注:

- (1) 限值引用于 Ferreiro 和 Superior Communications Inc 之间的 Settlement Agreement 的要求。
 - (2) 报告中引用的限值源于加州 65 法案相关的特定和解协议, 其涉及的产品与此检测产品最接近。报告中的检测结果并不表示用户接触此化学物质的实际暴露量。
- 和解协议中未指名的生产商或零售商不受此案例约束, 且可选择以清晰告知消费者潜在暴露风险的方式符合加州 65 法案。

美国加州法案 65 - 铅

检测方法: 参考 CPSC-CH-E1002-08.3, 采用 AAS/ICP-OES 进行分析。

检测项目	限值	单位	MDL	A1
铅 (Pb)	100	mg/kg	20	ND
结论				符合

备注:

- (1) 限值引用于 San Francisco Case No. CGC-09-489839 和 County of Los Angeles Superior Court Case No. BC 449019 之间的结算协议的要求。
 - (2) 报告中引用的限值源于加州 65 法案相关的特定和解协议, 其涉及的产品与此检测产品最接近。报告中的检测结果并不表示用户接触此化学物质的实际暴露量。
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美国加州法案 65 - 镉



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检测方法: 参考 CPSC-CH-E1002-08.3, 采用 AAS/ICP-OES 进行分析。

检测项目	限值	单位	MDL	A1
镉(Cd)	300	mg/kg	5	ND
结论	符合			

备注:

(1) 限值引用于 County of Alameda Court Case No. RG-10-514803 中的要求。

(2) 报告中引用的限值源于加州 65 法案相关的特定和解协议, 其涉及的产品与此检测产品最接近。报告中的检测结果并不表示用户接触此化学物质的实际暴露量。

和解协议中未指名的生产商或零售商不受此案例约束, 且可选择以清晰告知消费者潜在暴露风险的方式符合加州 65 法案。

美国加州法案 65 - 邻苯二甲酸酯

检测方法: 参考 CPSC-CH-C1001-09.4, 采用 GC-MS 进行分析。

检测项目	CAS No.	限值	单位	MDL	A1
邻苯二甲酸二丁酯 (DBP)	84-74-2	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	85-68-7	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	1000	mg/kg	50	ND
邻苯二甲酸二异壬酯 (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	50	ND
邻苯二甲酸二异癸酯 (DIDP)	26761-40-0 /68515-49-1	1000	mg/kg	50	ND
邻苯二甲酸二正己酯 (DnHP)	84-75-3	1000	mg/kg	50	ND
结论	符合				

备注:

(1) 限值引用于 Marin Court Case No. CIV 091146 和 County of Santa Clara Case No. 114CV267501 的要求。

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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。



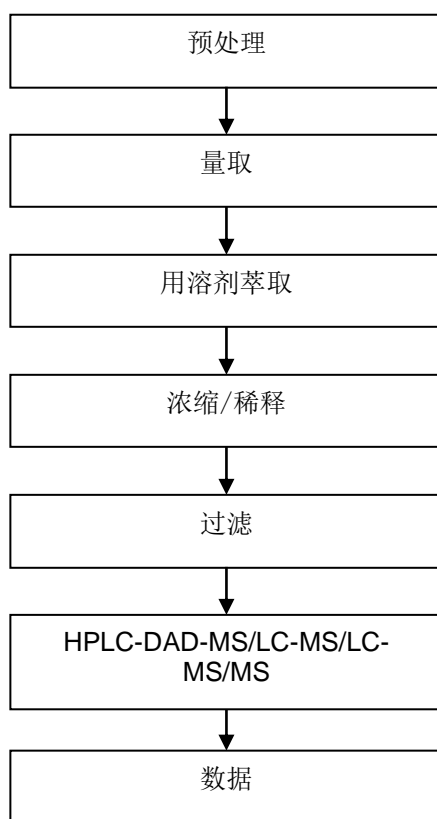
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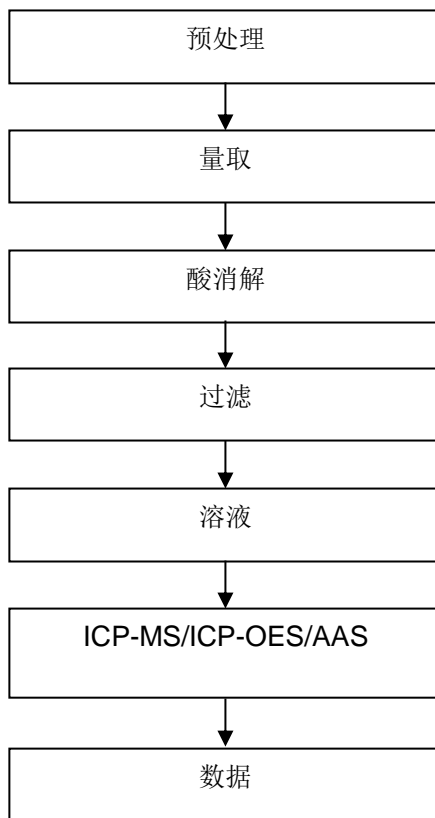
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双酚类化合物检测流程图



元素检测流程图



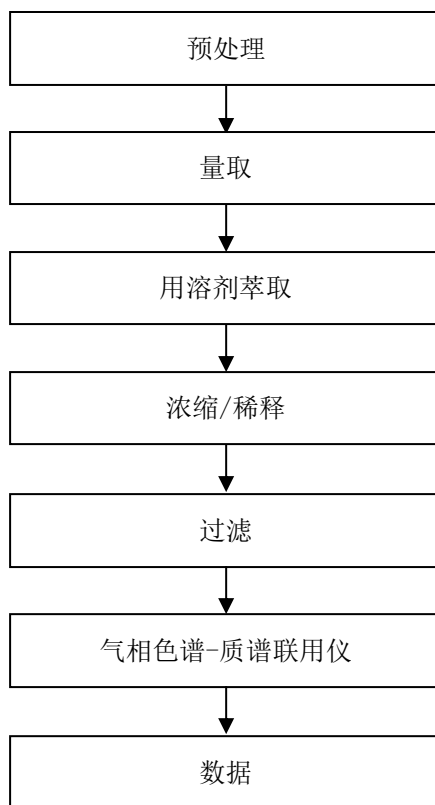
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Phthalates 检测流程图



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附件:
二极管:

R-1, R-6, R-系列, A-405, DO-41, DO-15, DO-27(DO-201AD), DO-35, DO-201AC(SMA),
DO-201AA(SMB), DO-201AB(SMC), DO-213AA, DO-213AB(LL-41), DO-218AB, DO-系列
TO-251, TO-251S, TO-252, PTO-252, TO-262, TO-263, TO-220AB, TO-220AC, TO-220C, TO-220C-2L,
ITO-220AB, ITO-220AC, TO-220F, TO-220F-2L, TO-3P, TO-247, TO-247S, TO-277, TO-277A, TO-277B,
TO-247, TO-247S, TO-3P, TO-3PS, TO-3PF, TO-264-3L, TO-264PLUS-3L, TO-系列
TOLL, TOLT1, TOLT2, SOD-923, SOD-723, SOD-523, SOD-323, SOD-123, SOD-123FL, SOD-123HE,
SOD-323HE, SOD-80(LL-34), SOD882, SOD 系列,
SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL,
SMP, SM 系列, 0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223, SOT 系列,
SC-88, SC-89, SC-70, SC 系列, DFN0603, DFN1608, DFN1610, DFN2020, DFN2018,
DFN 系列, PDFN3*3, PDFN5*6, PDFN8*8, PDFN 系列, AK3 系列

桥式整流器:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, LDB-S, DB-1, DB-S, RS, RB,
KBL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, KBJ, KBJL, BR, WOL,
WOM, WOG, D3K, HV, GH, BCT, PSD, LD, SBL, BU, IBS, WOB, WOBM

二极管模块、整流模块、桥式整流模块:

MDC 系列, QL 系列, SQL 系列, MDS 系列, MDA 系列, MDK 系列, MDQ 系列, XQ 系列, KPBC 系列
光伏模块:

09E, QC3Q, Z8X, TS306X, JA005, 09ES

MOS 管、IGBT、碳化硅、氮化镓、单向可控硅、双向可控硅、三极管:

DIP25, DIP24, DIP24F, DIP 系列模块/DIP Series module

TO-92, TO-251, TO-251S, TO-252, TO-252-4L, PTO-252, TO-126, TO-220A, TO-220B, TO-220AB,
TO-220C, ITO-220AB, TO-220F, TO-220FJ, TO-263, TO-263-5L, TO-263-6L, TO-263-7L, TO-262, TO-3P,
TO-3PF, TO-247, TO-247S, TO-247L, TO-247H, TO-247-4L, TO-247Plus-3L, TO-247Plus-4L, TO-264-3L,
TO-264PLUS-3L, TO 系列, TOLL, TOLT1, TOLT2, SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143,
SOT 系列, SOP-89, SOP-8, SOP 系列, DFN3*3, DFN5*6, DFN8*8, DFN2020, DFN3030, DFN 系列
PDFN3*3, PDFN3*3-D, PDFN5*6, PDFN5*6-D, LFPK5*6, PDFN8*8, PDFN 系列, QFN3*3, QFN 系列

集成电路:

SOT-23-5/6, SOP-8/14/16/18/20/24/28/30/36/48, SOT 系列, SSOP-8/14/16/18/20/24/28/36/48,
SSOP 系列, MSOP-10/14 MSOP 系列, TSSOP-14/20/28, TSSOP 系列,



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DIP-8/14/16/20/24/28/36/48, DIP 系列, QFN16/20/24/28/32/40/48/64, QFN 系列

DFN6/8/10/20, DFN 系列, LQPF32/44/48/52/64/100, LQPF 系列, SOP-8L, SOP 系列, SOP 系列+

低压差调整器、三端精密稳压器、电压调整器:

SOT-23, SOT-89, SOT-223, SOT 系列, TO-252, TO-220, TO-263, TO-263-5L, TO 系列

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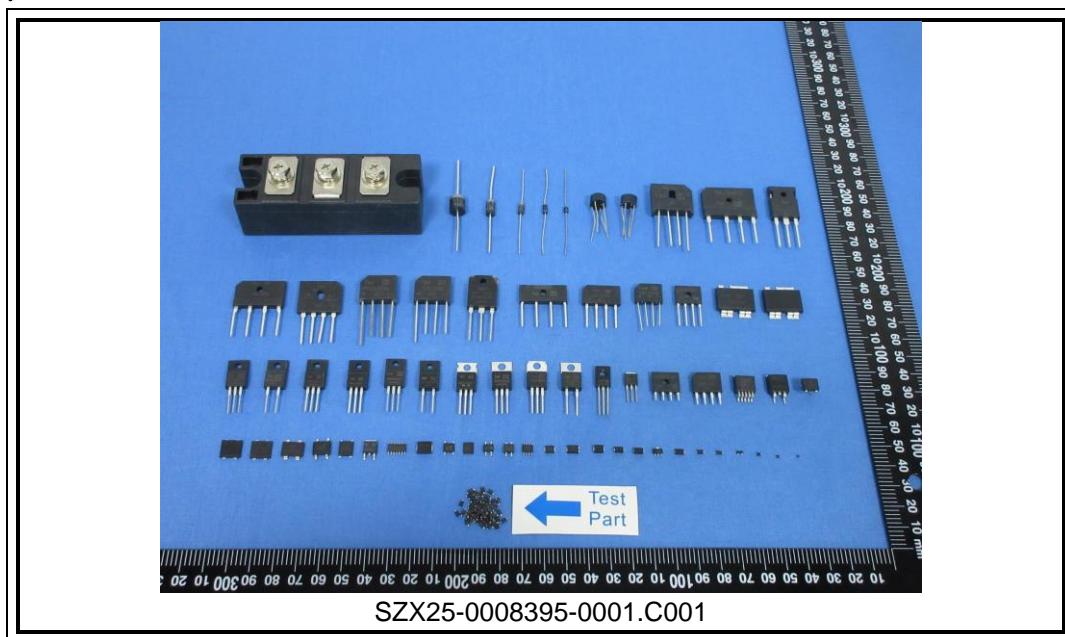
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