

## 检测报告

编号: SZXEC26001207226\_1

日期: 2026 年 05 月 25 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。

此报告替代原来编号为 **SZXEC26001207226**, 日期为 **2026 年 03 月 24 日** 的报告。

SGS 工作编号: SZP26-010926  
样品接收时间: 2026 年 03 月 10 日  
检测周期: 2026 年 03 月 10 日 ~ 2026 年 03 月 16 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

范萍

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   | SZX26-0012072-0001.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。
- 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 - 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<br>/68515-48-0 | 1000 | mg/kg | 50  | ND |
| 邻苯二甲酸二异癸酯 (DIDP)       | 26761-40-0<br>/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。

(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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备注: 本报告增加了客户参考信息。

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。

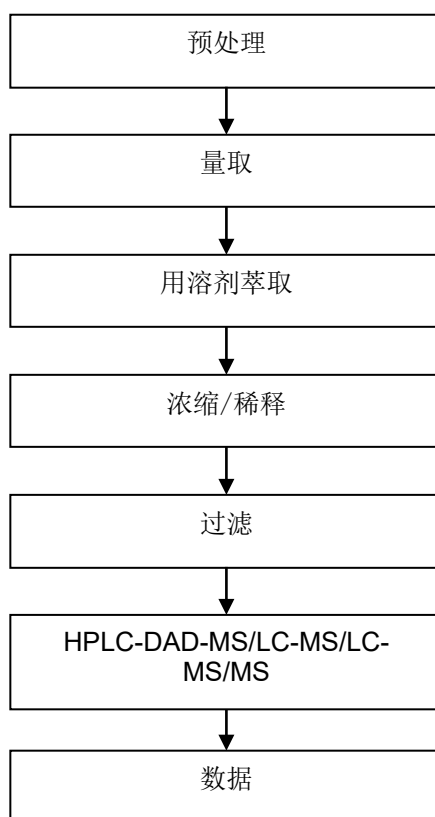


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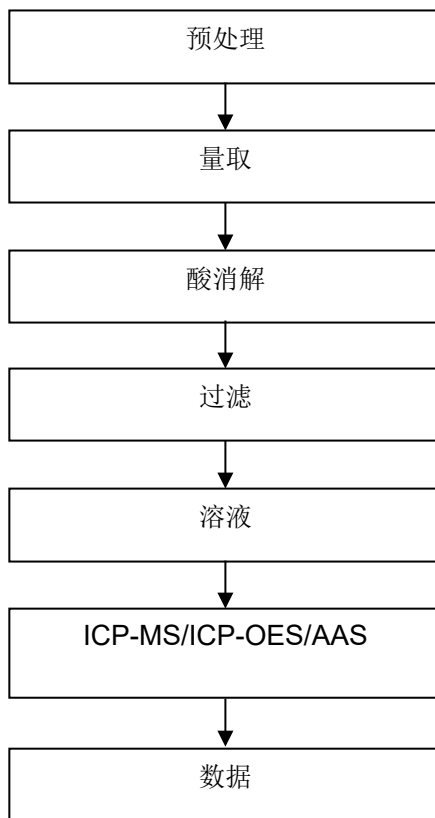
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## 双酚类化合物检测流程图



## 元素检测流程图



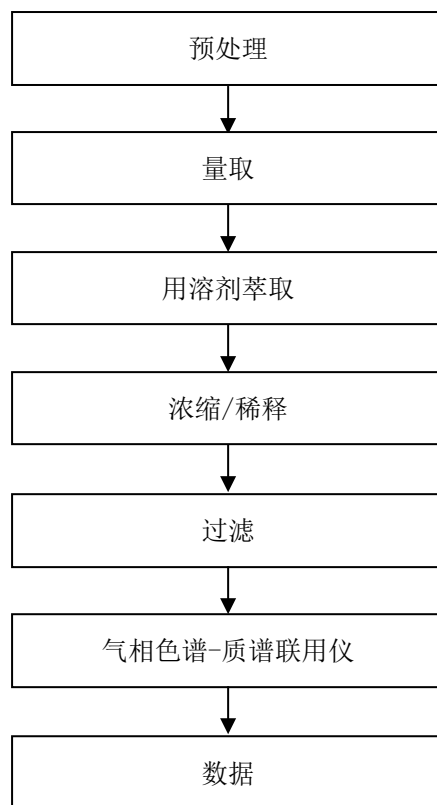
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## Phthalates 检测流程图



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附件:

二极管:

R-系列: R-1, R-6

DO-系列: A-405, DO-41, DO-15, DO-27(DO-201AD), DO-35, DO-201AC(SMA), DO-201AA(SMB), DO-201A B(SMC), DO-213AA, DO-213AB(LL-41), DO-218AB

TO-系列: TO-251, TO-251S, TO-252, PTO-252, TO-262, TO-263, TO-220AB, TO-220AC, TO-220C, TO-220 C-2L, TO-220FP, ITO-220AB, ITO-220AC, TO-220F, TO-220F-2L, TO-3P, TO-247, TO-247S, TO-277, TO-2 77A, TO-277B, TO-247, TO-247S, TO-3P, TO-3PS, TO-3PF, TO-264-3L, TO-264PLUS-3L

TOLx 系列: TOLL, TOLT1, TOLT2

SOD 系列: SOD-923, SOD-723, SOD-523, SOD-323, SOD-323FL, SOD-123, SOD-123FL, SOD-123HE, SO D-323HE, SOD-80(LL-34), SOD-882

SM 系列: SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL, SMP

SOT 系列: 0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223

SC 系列: SC-88, SC-89, SC-70

DFN 系列: DFN0603, DFN1608, DFN1610, DFN2020, DFN2018

PDFN 系列: PDFN3\*3, PDFN5\*6, PDFN8\*8

AK3 系列

桥式整流器:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, HBL, LDB-S, DB-1, DB-S, RS, RB, K BL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, GBJ-H, KBJ, KBJL, BR, WOL, W OM, 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:

DIP 系列模块: DIP25, DIP24, DIP24F

TO 系列: TO-92, TO-251, TO-251S, TO-252, TO-252-4L, PTO-252, TO-126, TO-220A, TO-220B, TO-220AB , TO-220C, TO-220FP, ITO-220AB, TO-220F, TO-220FJ, TO-263, TO-263-5L, TO-263-6L, TO-263-7L, TO-2 62, TO-3P, TO-3PF, TO-247, TO-247S, TO-247L, TO-247H, TO-247-4L, TO-247Plus-3L, TO-247Plus-4L, T O-264-3L, TO-264PLUS-3L

TOLx 系列: TOLL, TOLT1, TOLT2

SOT 系列: SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143

SOP 系列: SOP-89, SOP-8

DFN 系列: DFN3\*3, DFN5\*6, DFN8\*8, DFN2020, DFN3030



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PDFN 系列: PDFN3\*3, PDFN3\*3-D, PDFN5\*6, PDFN5\*6-D, LFPK5\*6, PDFN8\*8

QFN 系列: QFN3\*3

集成电路:

SOT 系列: SOT-23-5/6

SOP 系列: SOP-8/14/16/18/20/24/28/30/36/48, SOP-8L

SSOP 系列: SSOP-8/14/16/18/20/24/28/36/48

MSOP 系列: MSOP-10/14

TSSOP 系列: TSSOP-14/20/28

DIP 系列: DIP-8/14/16/20/24/28/36/48

QFN 系列: QFN16/20/24/28/32/40/48/64

DFN 系列: DFN6/8/10/20

LQPF 系列: LQPF32/44/48/52/64/100

SOP 系列+

低压差调整器、三端精密稳压器、电压调整器:

SOT 系列: SOT-23, SOT-23-3, SOT-23-5, SOT-89, SOT-89-3, SOT-89-5, SOT-223,

TO 系列: TO-252, TO-220, TO-263, TO-263-5L, TO-92

SOP 系列: SOP-8, ESOP-8



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