

## 检测报告

编号: SZXEC25002751516

日期: 2025 年 08 月 05 日

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客户名称: 深圳市鲁光电子科技有限公司  
日照鲁光电子科技有限公司  
客户地址: 深圳市福田区车公庙泰然九路海松大厦 B 座 1407  
山东省日照市经济技术开发区桂林路 166 号

样品名称: 玻封二极管  
型号: MINIMELF  
客户参考信息: MELF, MINI MELF, MICRO MELF, LL34, LL-41,  
DO-34, DO-35, DO-41G, SOD-80, QUADROMELF  
以上样品及信息由客户提供。

SGS 工作编号: SZP25-038832  
样品接收时间: 2025 年 07 月 30 日  
检测周期: 2025 年 07 月 30 日 ~ 2025 年 08 月 05 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 |
|---------------------------------------------------------|----|
| 美国环保署有毒物质控制法 (TSCA) 第 6 (h) 节规定的持久性、生物累积性和毒性 (PBT) 化学物质 | 符合 |

通标标准技术服务有限公司深圳分公司 授权签名

贝瑞瑞

May Bei 贝瑞瑞

批准签署人

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SGS-CS Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Laboratory

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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  | A3   | SZX25-0027515-0001.C003 | "玻封二极管" |

## 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

## 美国环保署有毒物质控制法 (TSCA) 第 6 (h) 节规定的持久性、生物累积性和毒性 (PBT) 化学物质

检测方法: 参考 US EPA 3550C:2007, 采用 GC-MS 进行分析。

| 检测项目                      | CAS No.    | 限值    | 单位    | MDL | A3 |
|---------------------------|------------|-------|-------|-----|----|
| 十溴二苯醚 (Deca-BDE)          | 1163-19-5  | 1000  | mg/kg | 5   | ND |
| 异丙基化磷酸三苯酯 (PIP 3:1)       | 68937-41-7 | 1000  | mg/kg | 5   | ND |
| 2,4,6-三叔丁基苯酚 (2,4,6-TTBP) | 732-26-3   | 3000  | mg/kg | 5   | ND |
| 六氯丁二烯 (HCBD)              | 87-68-3    | 禁用    | mg/kg | 5   | ND |
| 五氯苯硫酚 (PCTP)              | 133-49-3   | 10000 | mg/kg | 5   | ND |
| 结论                        |            |       |       |     | 符合 |

## 备注:

(1) 法规信息请参见下链接

<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>.

(2) 针对十溴二苯醚 (Deca-BDE) 和异丙基化磷酸三苯酯 (PIP 3:1) 的规定于 2025 年 1 月 21 日生效。

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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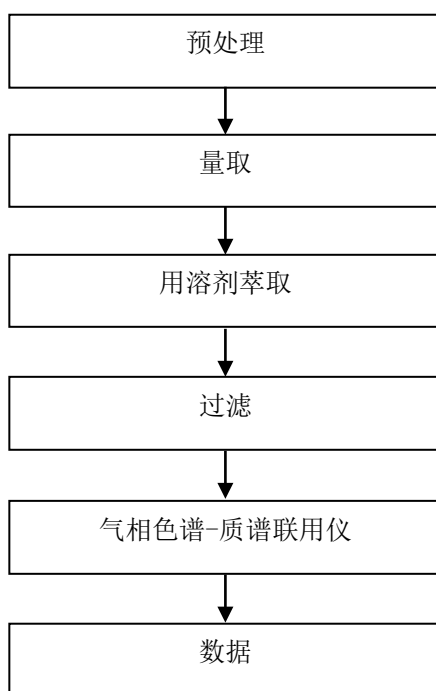
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附件

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## 持久性、生物累积性和毒性 (PBT) 化学物质检测流程图



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样品照片:



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