

## 检测报告

编号: SHAEC24006929908

日期: 2024 年 04 月 16 日

第 1 页, 共 8 页

客户名称: 汉升密封科技(上海)有限公司  
客户地址: 上海市松江工业区江田东路 205 号

样品名称: S3J01R & S3J11R+S4J01R & S4J11R+S5J01R & S5J11R+S6J01R &  
S6J11R+S7J01R & S7J11R+V6E01R+N6J01R+N8J01R+E5J01R+S6J62R  
料号: S4001R & S4011R+S5001R & S5011R+S6001R & S6011R+S7001R &  
S7011R+S8001R & S8011R+V7501R+N7001R+N9001R+E6001R+S7062R  
以上样品及信息由客户提供。

SGS 工作编号: SHP24-010736  
样品接收时间: 2024 年 04 月 10 日  
检测周期: 2024 年 04 月 10 日 ~ 2024 年 04 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    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 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) | 见检测结果 |

通标标准技术服务(上海)有限公司  
授权签名

刘盈妹

Annie Liu 刘盈妹  
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  | A4   | SHA24-0069299-0001.C004 | 红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶+红色橡胶 |

### 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

**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, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

| 检测项目             | 限值   | 单位    | MDL | A4 |
|------------------|------|-------|-----|----|
| 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 | 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 (PBDE)   | 1000 | 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 |



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| 检测项目                   | 限值   | 单位    | MDL | A4 |
|------------------------|------|-------|-----|----|
| 八溴二苯醚 (OctaBDE)        | -    | mg/kg | 5   | ND |
| 九溴二苯醚 (NonaBDE)        | -    | mg/kg | 5   | ND |
| 十溴二苯醚 (DecaBDE)        | -    | mg/kg | 5   | 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:

- 最大允许极限值引用自 RoHS 指令(EU) 2015/863。
- IEC 62321 系列等同于 EN 62321 系列。
- 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。

### 备注:

合测是基于客户要求, 选取合测样品中随机部位进行合样检测。  
 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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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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### 六价铬检测流程图



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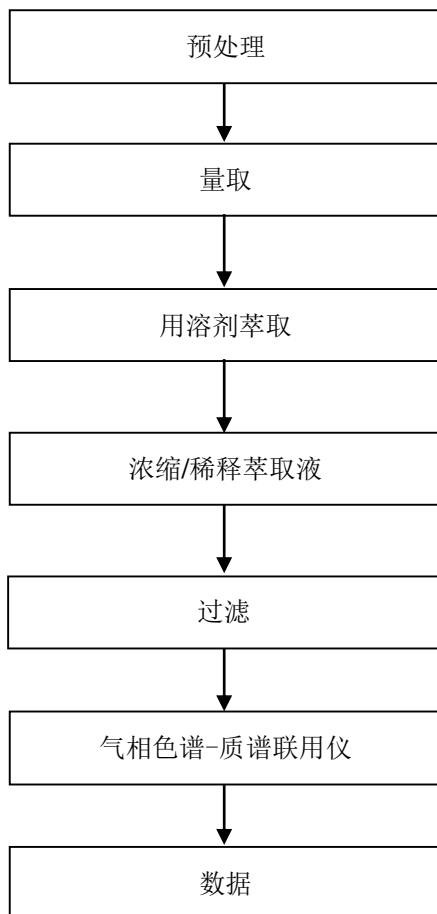
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### PBB/PBDE 检测流程图



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### Phthalates 检测流程图



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