



# 检测报告

报告编号: SHX24090162-01

日期: 2024-09-19

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委托单位: 上海晨隆静电科技有限公司  
地址: 上海市浦东新区三林路200号(尚博坊)3号楼301室

## 样品信息

样品名称: 防静电涂布液  
样品型号/规格: C-01  
样品数量: 150ml  
样品获取方式: 客户送样  
样品描述: 液体

以上样品及信息由客户提供及确认。ICAS 不负责样品的真伪性, 不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

样品编号: X24090162-01  
样品接收日期: 2024-09-09  
样品检测日期: 2024-09-09~2024-09-14

## 检测内容:

检测地址: 上海市闵行区瓶北路155号  
检测项目: 请参见下一页。  
检测方法: 请参见下一页。  
检测结论: 请参见下一页。

英格尔检测技术服务(上海)有限公司

编制

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(卢平志)

审核

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顾攀攀

(赵玉簪 顾攀攀)

签发

(授权签字人: 王瑞)



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**检测结果:**

**一、电子电气产品有害物质限量 (RoHS) 测试**

检测结论: 铅、汞、镉、六价铬、多溴联苯 (PBBs)、多溴二苯醚 (PBDEs) 和邻苯二甲酸酯 (如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁基苯基酯 (BBP)、邻苯二甲酸二(2-乙基)己酯 (DEHP)、邻苯二甲酸二异丁酯 (DIBP)) 的测试结果符合欧盟 RoHS 指令 2011/65/EU 附录 II 及修正指令 (EU) 2015/863 的限值要求。

| 检测项目                  | 检测方法                         | 单位    | 检出限   | 检测结果 | 限值    | 单项判定 |
|-----------------------|------------------------------|-------|-------|------|-------|------|
| 铅/Pb                  | IEC 62321-5:2013             | mg/kg | 10    | 未检出  | ≤1000 | 符合   |
| 镉/Cd                  |                              | mg/kg | 2     | 未检出  | ≤100  | 符合   |
| 汞/Hg                  | IEC 62321-4:2013+AMD1:2017   | mg/kg | 10    | 未检出  | ≤1000 | 符合   |
| 六价铬/Cr (VI)           | IEC 62321-7-2:2017           | mg/kg | 20    | 未检出  | ≤1000 | 符合   |
| 一溴联苯 (MonoBB)         | IEC 62321-6:2015             | mg/kg | 5     | 未检出  | ---   | ---  |
| 二溴联苯 (DiBB)           |                              |       | 5     | 未检出  | ---   | ---  |
| 三溴联苯 (TriBB)          |                              |       | 5     | 未检出  | ---   | ---  |
| 四溴联苯 (TetraBB)        |                              |       | 5     | 未检出  | ---   | ---  |
| 五溴联苯 (PentaBB)        |                              |       | 5     | 未检出  | ---   | ---  |
| 六溴联苯 (HexaBB)         |                              |       | 5     | 未检出  | ---   | ---  |
| 七溴联苯 (HeptaBB)        |                              |       | 5     | 未检出  | ---   | ---  |
| 八溴联苯 (OctaBB)         |                              |       | 5     | 未检出  | ---   | ---  |
| 九溴联苯 (NonaBB)         |                              |       | 5     | 未检出  | ---   | ---  |
| 十溴联苯 (DecaBB)         |                              |       | 5     | 未检出  | ---   | ---  |
| 上述多溴联苯总和              |                              |       | ---   | 未检出  | ≤1000 | 符合   |
| 一溴二苯醚 (MonoBDE)       |                              |       | 5     | 未检出  | ---   | ---  |
| 二溴二苯醚 (DiBDE)         |                              |       | 5     | 未检出  | ---   | ---  |
| 三溴二苯醚 (TriBDE)        |                              |       | 5     | 未检出  | ---   | ---  |
| 四溴二苯醚 (TetraBDE)      |                              |       | 5     | 未检出  | ---   | ---  |
| 五溴二苯醚 (PentaBDE)      |                              |       | 5     | 未检出  | ---   | ---  |
| 六溴二苯醚 (HexaBDE)       |                              |       | 5     | 未检出  | ---   | ---  |
| 七溴二苯醚 (HeptaBDE)      |                              |       | 5     | 未检出  | ---   | ---  |
| 八溴二苯醚 (OctaBDE)       |                              |       | 5     | 未检出  | ---   | ---  |
| 九溴二苯醚 (NonaBDE)       |                              |       | 5     | 未检出  | ---   | ---  |
| 十溴二苯醚 (DecaBDE)       | 5                            | 未检出   | ---   | ---  |       |      |
| 上述多溴二苯醚总和             | ---                          | 未检出   | ≤1000 | 符合   |       |      |
| 邻苯二甲酸二丁酯 (DBP)        | IEC 62321-8:2017<br>气相色谱-质谱法 | mg/kg | 50    | 未检出  | ≤1000 | 符合   |
| 邻苯二甲酸丁基苯基酯 (BBP)      |                              | mg/kg | 50    | 未检出  | ≤1000 | 符合   |
| 邻苯二甲酸二(2-乙基)己酯 (DEHP) |                              | mg/kg | 50    | 未检出  | ≤1000 | 符合   |
| 邻苯二甲酸二异丁酯 (DIBP)      |                              | mg/kg | 50    | 未检出  | ≤1000 | 符合   |

备注: 未检出表示小于检出限



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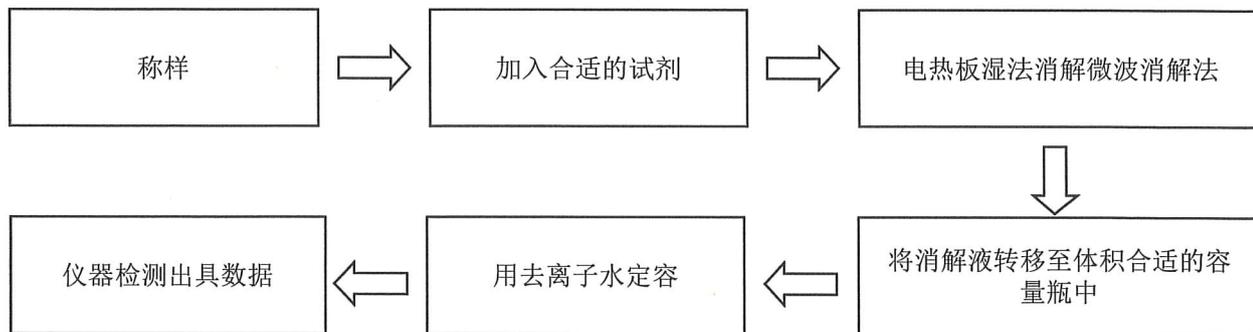
## 二、卤素四项

| 检测项目   | 检测方法             | 单位    | 检出限 | 检测结果 |
|--------|------------------|-------|-----|------|
| 氟/F#S  | BS EN 14582-2016 | mg/kg | 50  | 未检出  |
| 氯/Cl#S |                  | mg/kg | 50  | 未检出  |
| 溴/Br#S |                  | mg/kg | 50  | 未检出  |
| 碘/I#S  |                  | mg/kg | 50  | 未检出  |

备注: 未检出表示小于检出限

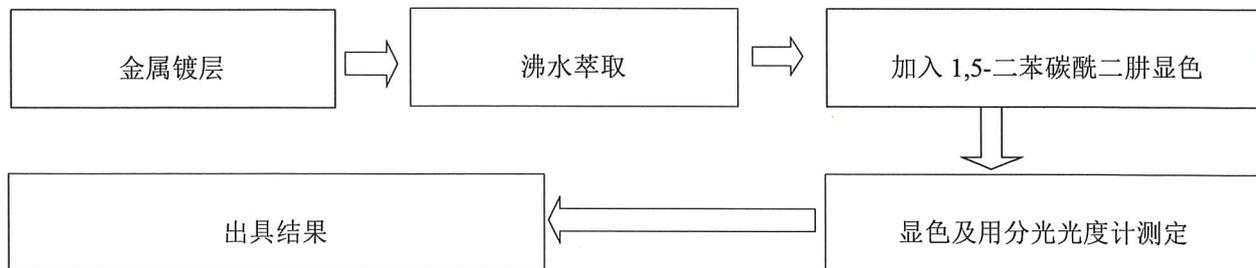
## 化学检测流程图

### 1. Pb、Hg、Cd 检测



| 样品成分 | 消化酸   |
|------|---|
| 玻璃   | HNO <sub>3</sub> /HF  |
| 塑料   | H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCl |
| 金属   | HNO <sub>3</sub> , HCl, 王水  |
| 其它   | 加入其它的酸消解  |

### 2. 六价铬 Cr(VI) 检测



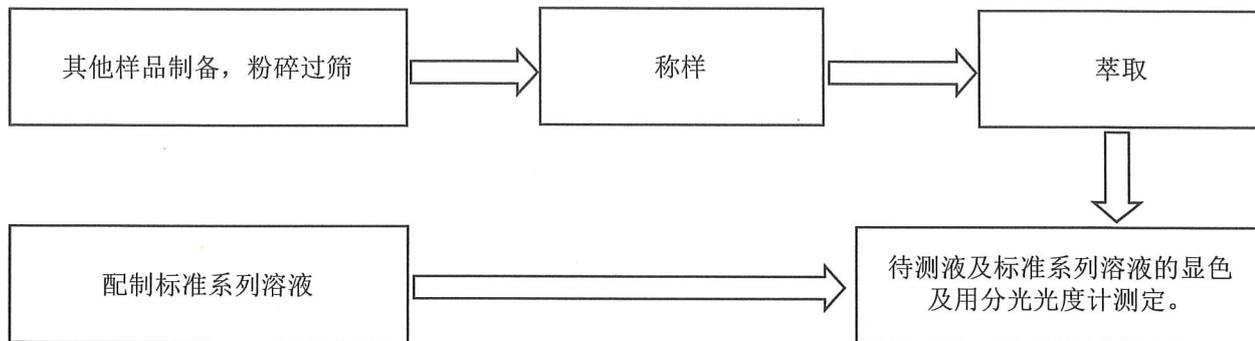


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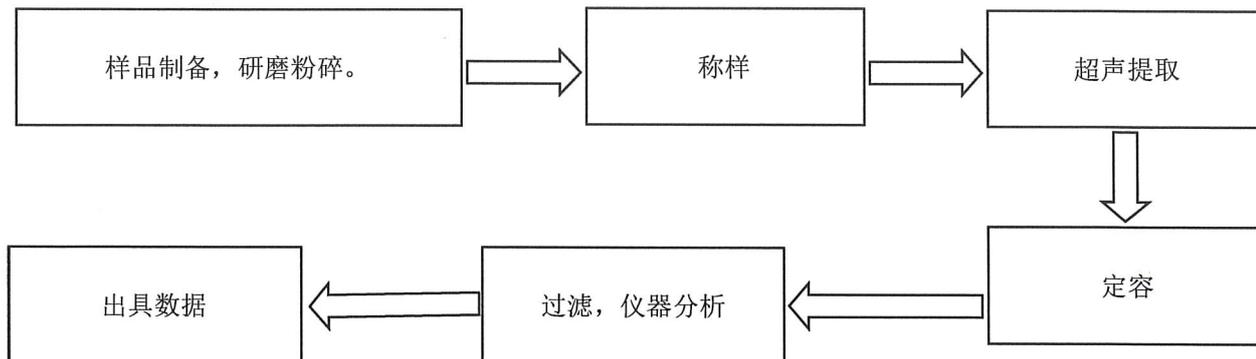
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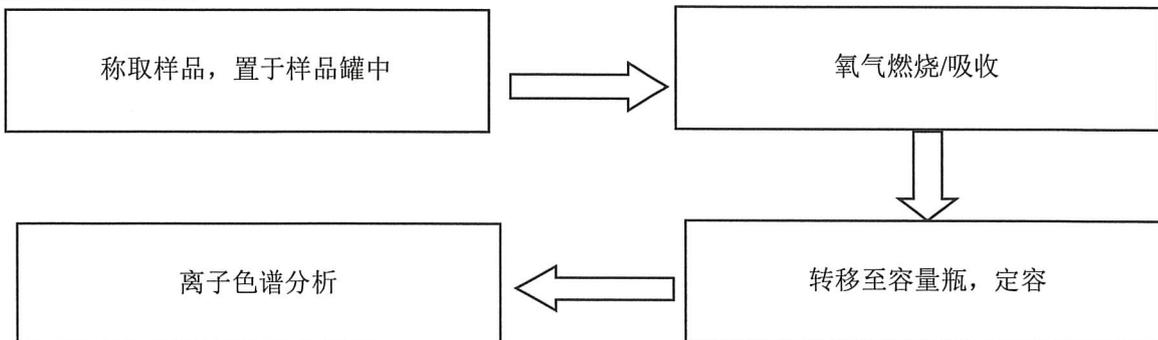
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### 3. 多溴联苯、多溴联苯醚、邻苯二甲酸酯类检测



### 4. F、Cl、Br、I 检测





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样品照片



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江苏环谱检测技术服务有限公司

“#” indicated that data comes from designated contracted lab:

CMA 资质认定证书编号 CMA Certificate No:

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CMA 编号 231020341277

CNAS L6760

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