

## 检测报告

编号: SZXPC23002418402

日期: 2023年10月13日

第1页, 共8页

客户名称: 上海亿思柯电气有限公司  
客户地址: 上海市浦东新区康桥东路1159弄105号N-7

样品名称: 尼龙阻燃软管  
型号: AD型  
以上样品及信息由客户提供。

SGS工作编号: SZIN2310006052PC01  
收样日期: 2023年10月09日  
检测周期: 2023年10月09日~2023年10月13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(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP) | 符合 |

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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  | 001  | SZX23-0024184-0001.C001 | 黑色物料 |

**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(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)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, UV-Vis 和 GC-MS 进行分析。

| 检测项目            | 限值   | 单位    | MDL | 001 |
|-----------------|------|-------|-----|-----|
| 镉 (Cd)          | 100  | mg/kg | 2   | ND  |
| 铅 (Pb)          | 1000 | mg/kg | 2   | ND  |
| 汞 (Hg)          | 1000 | mg/kg | 2   | ND  |
| 六价铬(Cr(VI))     | 1000 | mg/kg | 8   | ND  |
| 多溴联苯之和(PBBs)    | 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(PBDEs)  | 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  |
| 八溴二苯醚(OctaBDE)  | -    | mg/kg | 5   | ND  |



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第3页, 共8页

| 检测项目                   | 限值   | 单位    | MDL | 001 |
|------------------------|------|-------|-----|-----|
| 九溴二苯醚(NonaBDE)         | -    | mg/kg | 5   | ND  |
| 十溴二苯醚(DecaBDE)         | -    | mg/kg | 5   | ND  |
| 邻苯二甲酸二丁酯 (DBP)         | 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(2-乙基己基)酯 (DEHP) | 1000 | mg/kg | 50  | ND  |
| 邻苯二甲酸二异丁酯 (DIBP)       | 1000 | mg/kg | 50  | ND  |

### 备注:

(1) 最大允许限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 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。

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。

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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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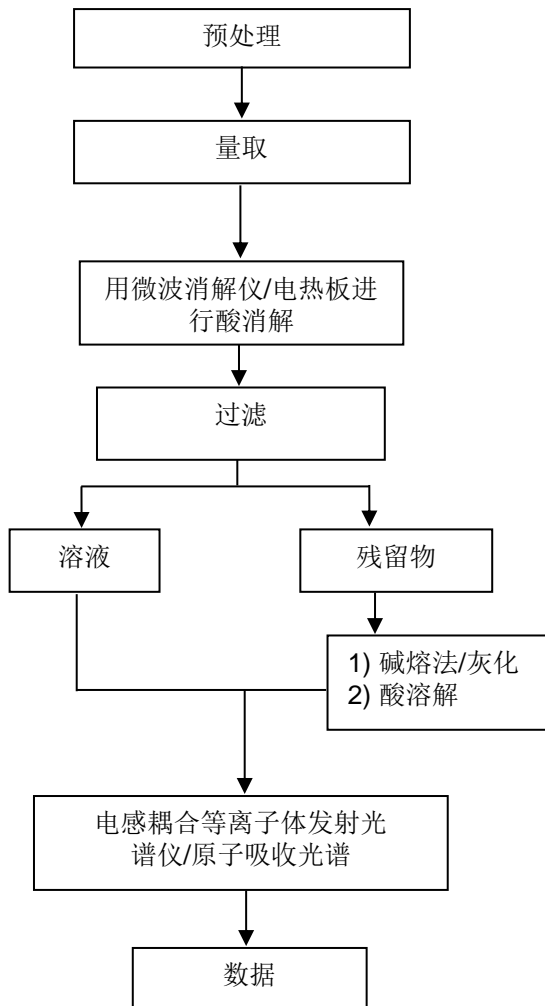
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附件

### 元素检测流程图

样品按照下述流程被完全消解



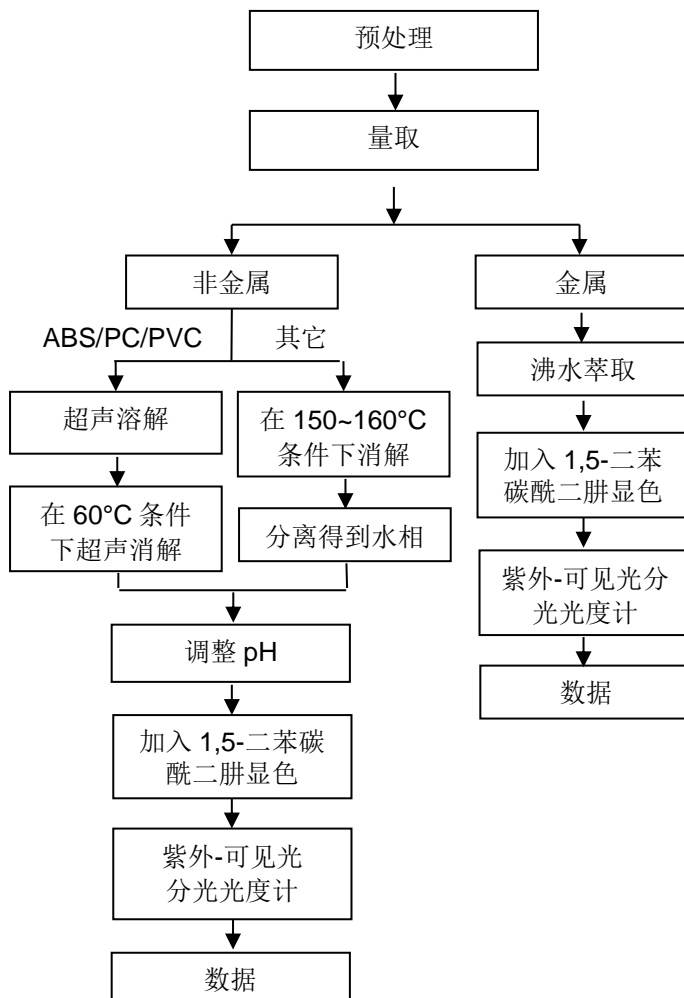
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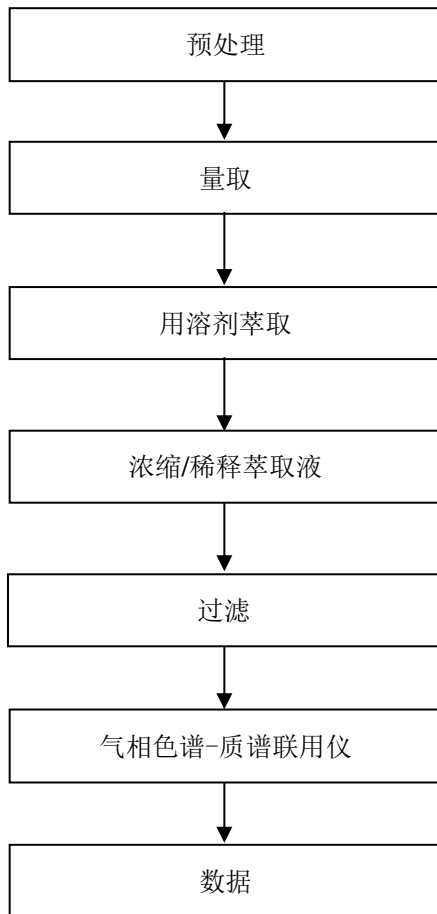
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## 六价铬检测流程图



### PBBs/PBDEs 检测流程图



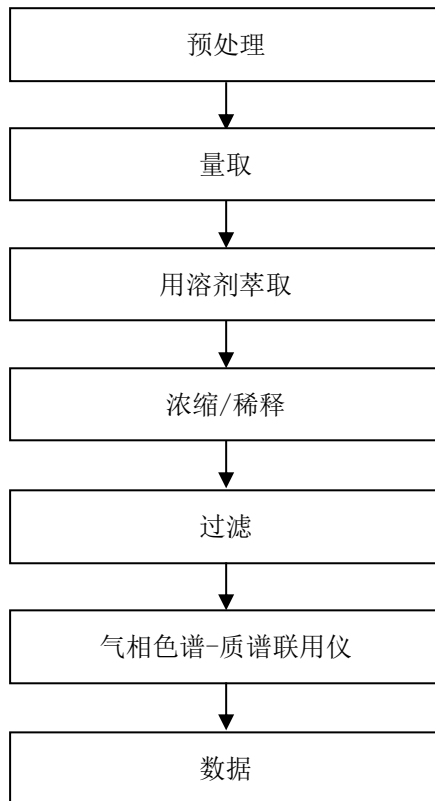
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### Phthalates 检测流程图



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