

测试报告

No. CANEC2122484806

日期: 2021年12月08日 第1页,共7页

深圳琦富瑞电子有限公司

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以下测试之样品是由申请者所提供及确认: XLPO wire and cable

SGS工作编号: CP21-063552 - SZ
型号: UL3173 18AWG 红色
客户参考信息: 请见备注
样品接收日期: 2021年11月30日
测试周期: 2021年11月30日 - 2021年12月06日
测试要求: 根据客户要求测试
测试方法: 请参见下一页
测试结果: 请参见下一页
结论: 基于所送样品的指定部位进行的测试, 镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(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))的测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

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授权签名

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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory

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No. CANEC2122484806

日期: 2021年12月08日 第2页,共7页

测试结果:

测试样品描述:

| 样品编号 | SGS样品ID | 描述 |
|------|------------------|--------|
| SN1 | CAN21-224848.003 | 红色塑胶外皮 |

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

RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, 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.

| 测试项目 | 限值 | 单位 | MDL | 003 |
|----------------|-------|-------|-----|-----|
| 镉 (Cd) | 100 | mg/kg | 2 | ND |
| 铅 (Pb) | 1,000 | mg/kg | 2 | ND |
| 汞 (Hg) | 1,000 | mg/kg | 2 | ND |
| 六价铬(Cr(VI)) | 1,000 | mg/kg | 8 | ND |
| 多溴联苯之和(PBBs) | 1,000 | mg/kg | - | ND |
| 一溴联苯 | - | mg/kg | 5 | ND |
| 二溴联苯 | - | mg/kg | 5 | ND |
| 三溴联苯 | - | mg/kg | 5 | ND |
| 四溴联苯 | - | mg/kg | 5 | ND |
| 五溴联苯 | - | mg/kg | 5 | ND |
| 六溴联苯 | - | mg/kg | 5 | ND |
| 七溴联苯 | - | mg/kg | 5 | ND |
| 八溴联苯 | - | mg/kg | 5 | ND |
| 九溴联苯 | - | mg/kg | 5 | ND |
| 十溴联苯 | - | mg/kg | 5 | ND |
| 多溴二苯醚之和(PBDEs) | 1,000 | mg/kg | - | ND |
| 一溴二苯醚 | - | mg/kg | 5 | ND |
| 二溴二苯醚 | - | mg/kg | 5 | ND |
| 三溴二苯醚 | - | mg/kg | 5 | ND |
| 四溴二苯醚 | - | mg/kg | 5 | ND |
| 五溴二苯醚 | - | mg/kg | 5 | ND |



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日期: 2021年12月08日 第3页,共7页

| 测试项目 | 限值 | 单位 | MDL | 003 |
|-----------------------|-------|-------|-----|-----|
| 六溴二苯醚 | - | mg/kg | 5 | ND |
| 七溴二苯醚 | - | mg/kg | 5 | ND |
| 八溴二苯醚 | - | mg/kg | 5 | ND |
| 九溴二苯醚 | - | mg/kg | 5 | ND |
| 十溴二苯醚 | - | mg/kg | 5 | ND |
| 邻苯二甲酸二丁酯 (DBP) | 1,000 | mg/kg | 50 | ND |
| 邻苯二甲酸丁苯酯(BBP) | 1,000 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-乙基己基)酯(DEHP) | 1,000 | mg/kg | 50 | ND |
| 邻苯二甲酸二异丁酯(DIBP) | 1,000 | mg/kg | 50 | ND |

备注:

(1)最大允许极限值引用自RoHS指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(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。

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备注:

1385、1505、1764、2679、3194、3195、3196、3199、3302、3312、3368、3376、
3377、3385、3456、3463、3464、3564、3167、3173、3182、3236、3265、3266、
3271、3288、HP3239、3289、3290、3295、3297、3298、3300、3301、3320、3321、
3328、3331、3343、3344、3346、3351、3352、3386、3398、3415、3417、3423、
3424、3435、3436、3440、3447、3448、3469、3472、3473、3485、3491、3492、
3505、3569、3584、3596、3597、3598、3599、3613、3633、3688、3691、4413、
10368、10193、10266、1914、2951、10530、20346、3406、3613、3633、3816、
3817、10267、QFR-10634、QFR-11092、FLR12Y、FLR13Y、QB-C、QB-D、FL2X、
FLR2X、FLR31Y、FLU2X-A、WXC、HDPE、FL2Y、QFR-0815、QFR-125、GXL、SXL、
TXL、SGX、GPTH、JYJ-125、JYJ-150、AEX、AESSX、H05Z-K、H07Z-K、QFR-0818、
QFR-1011、QFR-1412、QFR-1920、WDZ-YJY、QFR-1920、JET3173、JET3266、
MIL-W-81044-6、MIL-W-81044-12、16878-10E、16878-14B、16878-15B、16878-16C、
QBJ-C、E-150/TX/XLPO 150V,300V,600V, CQC XLPE WIRE AND XLPE TUBE AND
XLPE WIRE AND CABLE SERIES



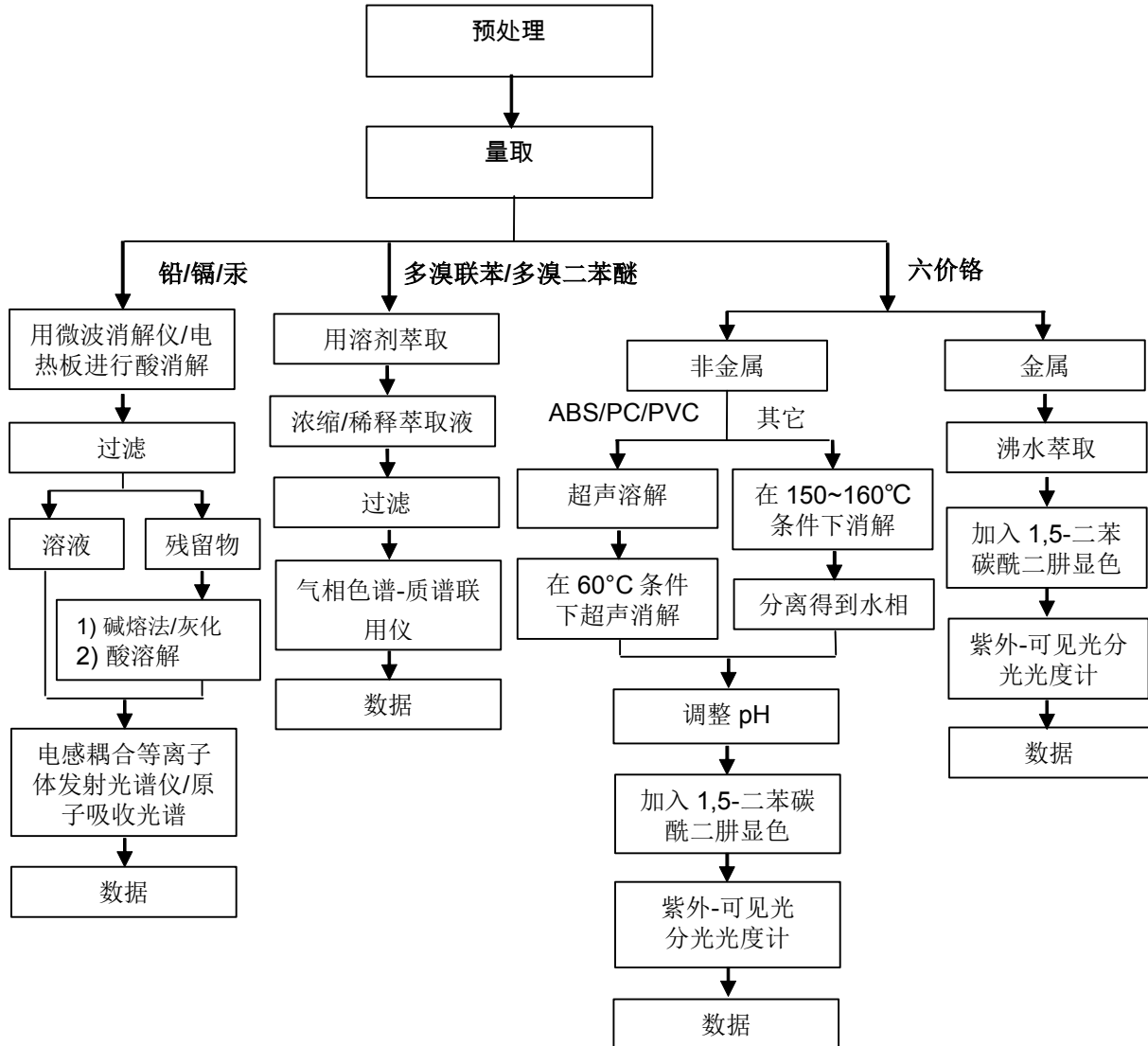
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附件

Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs 测试流程图

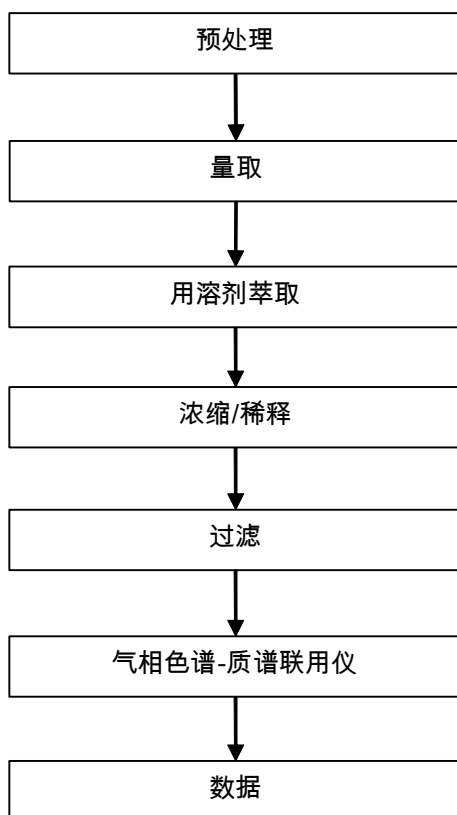
1) 样品按照下述流程被完全消解（六价铬和多溴联苯/多溴二苯醚测试除外）。



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附件

Phthalates 测试流程图



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