

## 检测报告

编号: CANEC23014597634

日期: 2023年11月28日

第1页, 共6页

客户名称: 深圳琦富瑞电子有限公司  
客户地址: 深圳市光明新区公明街道楼村社区鲤鱼河工业区振兴路5号

样品名称: Teflon wire and cable  
型号: UL1332 26AWG 黑色、UL1332 22AWG 白色、UL1332 22AWG 红色  
客户参考信息: 请见附件  
以上样品及信息由客户提供。

SGS 工作编号: SZP23-028751  
样品接收时间: 2023年11月21日  
检测周期: 2023年11月21日 ~ 2023年11月27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    |
|----------------------------------|-------|
| AfPS GS 2019:01 PAK-多环芳香烃 (PAHs) | 见检测结果 |

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授权签名

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Arsene Ye 叶士龙  
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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  | A14  | CAN23-0145976-0001.C014 | 黑色塑胶外皮 A14-a+白色塑胶外皮 A14-b+红色塑胶外皮 A14-c |

### 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

## AfPS GS 2019:01 PAK-多环芳香烃 (PAHs)

检测方法: 参考 AfPS GS 2019:01 PAK, 采用 GC-MS 进行分析。

| 检测项目   | CAS No.  | 单位    | MDL | A14 |
|--|----------|-------|-----|-----|
| 苯并(a)芘 (BaP)                                   | 50-32-8  | mg/kg | 0.1 | ND  |
| 苯并(e)芘 (BeP)                                   | 192-97-2 | mg/kg | 0.1 | ND  |
| 苯并(a)蒽 (BaA)                                   | 56-55-3  | mg/kg | 0.1 | ND  |
| 苯并(b)荧蒽 (BbF)                                  | 205-99-2 | mg/kg | 0.1 | ND  |
| 苯并(j)荧蒽 (BjF)                                  | 205-82-3 | mg/kg | 0.1 | ND  |
| 苯并(k)荧蒽 (BkF)                                  | 207-08-9 | mg/kg | 0.1 | ND  |
| 蒽 (CHR)  | 218-01-9 | mg/kg | 0.1 | ND  |
| 二苯并(a,h)蒽 (DBA)                                | 53-70-3  | mg/kg | 0.1 | ND  |
| 苯并(g,h,i)芘(二萘嵌苯) (BPE)                         | 191-24-2 | mg/kg | 0.1 | ND  |
| 茚苯(1,2,3-c,d)芘 (IPY)                           | 193-39-5 | mg/kg | 0.1 | ND  |
| 菲 (PHE)  | 85-01-8  | mg/kg | 0.1 | ND  |
| 芘 (PYR)  | 129-00-0 | mg/kg | 0.1 | ND  |
| 蒽 (ANT)  | 120-12-7 | mg/kg | 0.1 | ND  |
| 荧蒽 (FLT)                                       | 206-44-0 | mg/kg | 0.1 | ND  |
| 4项多环芳香烃总和[菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT)] | -        | mg/kg | -   | ND  |
| 萘 (NAP)  | 91-20-3  | mg/kg | 0.1 | ND  |
| 15项多环芳香烃总和                                     | -        | mg/kg | -   | ND  |
| 材料分类   | -        | -     | -   | -   |

### 备注:

**AfPS(德国产品安全委员会): 认证对多环芳香烃的要求**

| 参数 | 1类 | 2类 | 3类 |
|----|----|----|----|
|----|----|----|----|



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| 单位: mg/kg                           | 设计意图为放入口中的材料, 或与皮肤长期接触 (超过 30 秒) 的材料用于<br>-2009/48/EC 定义的玩具, 或<br>-供 3 岁以下儿童 a,b 使用。 | 不属于第 1 类, 设计意图或可预见 <sup>d</sup> 与皮肤长期接触 (超过 30 秒) 或短期重复接触 <sup>c</sup> 的材料 |              | 不属于第 1 和 2 类, 设计意图或可预见与皮肤短期接触 (不超过 30 秒) 材料 |              |
|-------------------------------------|--|--|--------------|---|--------------|
|                                     |  | a. 供儿童使用的产品  | b. 其他产品      | a. 供儿童使用的产品                                 | b. 其他产品      |
| 苯并(a)芘 (BaP)                        | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(e)芘 (BeP)                        | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(a)蒽 (BaA)                        | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(b)荧蒽 (BbF)                       | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(j)荧蒽 (BjF)                       | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(k)荧蒽 (BkF)                       | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 蒽 (CHR), mg/kg                      | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 二苯并(a,h)蒽 (DBA)                     | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 苯并(g,h,i)花(二蔡嵌苯) (BPE)              | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 茚并(1,2,3-c,d)芘 (IPY)                | < 0.2  | < 0.2  | < 0.5        | < 0.5                                       | < 1          |
| 菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT) | < 1<br>(总和)  | < 5<br>(总和)  | < 10<br>(总和) | < 20<br>(总和)                                | < 50<br>(总和) |
| 萘 (NAP)                             | < 1  | < 2  |              | < 10  |              |
| 15 PAH 之和                           | < 1  | < 5  | < 10         | < 20  | < 50         |

注释:

- a 儿童是指法定年龄未满 14 周岁的人。
- b 供儿童使用包括儿童的主动接触或被动接触。
- c “短期重复接触”的定义摘自 REACH 附录 XVII 第 50 条修正案 ( (EC) No. 1272/2013)。
- d 根据德国产品安全法 (ProdSG) (第一章第 2 条第 28 款) 的定义, “可预见的使用”是指将产品投放市场的人无意但可以合理预见的方式使用产品。

备注:

德国产品安全委员会 (AfPS) 于 2020 年 4 月 10 日发布了关于多环芳香烃 (PAHs) 的新文件 (AfPS GS 2019:01 PAK), 该文件将于 2020 年 7 月 1 日起用于 GS-MARK 认证。

备注: 样品的检测是基于申请人要求混合检测, 报告中的混合检测结果不代表其中个别单一材质的含量, 该检测数据仅供参考。

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。



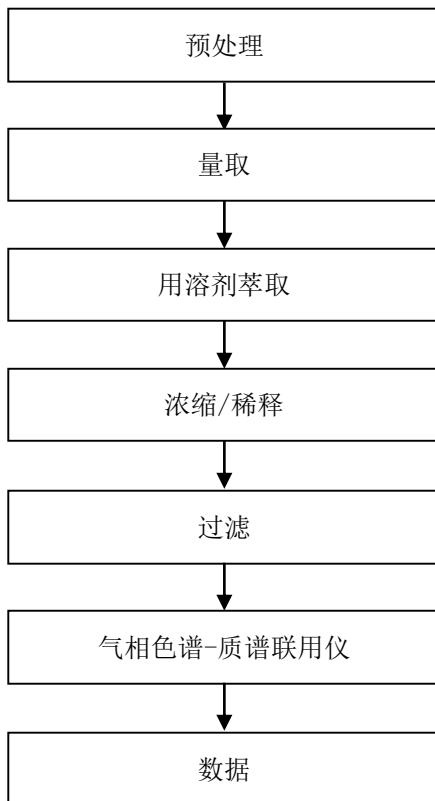
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### PAHs 检测流程图



附件:

UL1108、1419、1458、1524、1559、1091、1588、10156、10142、10396、10485、1858、1675、1694、1726、1727、10326、10362、10371、1750、1756、1707、1708、1857、1859、1860、1882、1929、1930、1933、10011、10110、10129、10486、1757、1824、1835、1960、5311、10034、10051、10058、10287、1589、1709、10304、10409、10552、10554、1636、1653、1655、1656、1657、1659、1817、1710、10101、1199、1862、1863、1864、1517、1586、1609、1814、1513、1523、1558、1610、1643、1670、1671、1827、1829、1867、1868、1905、1988、1989、1990、3482、10371、1508、1658、1354、1212、1213、1286、1330、1331、1332、1333、1538、1716、1887、1901、1914、10007、10072、10111、10311、10491、1371、1375、1609、1394、1481、1512、1516、1828、1637、1721、1745、1832、1875、1894、1589、10503、1927、10020、10064、10069、10086、10088、10212、10102、10393、10245、10248、10298、10101、10109、10125、10126、10447、10507、1164、1180、1198、1199、10212、10277、10278、10279、10443、1570、1577、1723、1815、1659、1584、1911、10132、10241、10312、10518、1859、1644、1815、1858、3557、10464、10504、16878/4C、16878-4E、16878-6、16878-5、16878-11C、16878-12、81822/6A、22759/11F、22759-1、22759-2、22759-3、22759-7、22759-8、22759-9、22759-11、22759-12、22759-16、22759-18、22759-19、MIL-W-22759-22、22759-32、22759-33、22759-34、MIL-W-22759-41、QFR-0815、AF-250、AFP-250、QFR-CFN1、QFR-CFN2、QFR-CFN3、QFR-CKF1、QFR-CKF2、QFR-CKF3、AF-200、QFR-0921、VDE-R EG.Nr.8191、FLU7Y、VDE-REG.Nr.8192、VDE-REG.Nr.8193、FLR51Y、FLR5Y、FLR6Y、FLR7Y、QFR-0919、QFR-0921、QFR-EFK1、QFR-EFK2、QFR-EFK3、QFR-EFN1、QFR-EFN2、QFR-EFN3、QFR-10364、QFR-11092、QFR-FK1、QFR-FK2、QFR-FK3、QFR-FN1、QFR-FN2、QFR-FN3、QFR-TFN6、QFR-TFNK、QFR-CFK1、QFR-CFK2、QFR-CFK3、QFR-EFK1、QFR-EFK2、QFR-EFK3、QFR-FK1、QFR-FK2、QFR-FK3、QFR-1018、QFR-11092、VDE-R EG.Nr.8194、VDE-REG.Nr.8195、VDE-REG.Nr.8196、VDE Fluorplastic wires、N6YAF、QB-F、E-200/TX/FEP 150V,300V,600V、E-200/TN/PFA 150V,300V,600V、E-250/TN/PTFE 150V,300V,600V、CQC Fluoroplastic wire and Fluoroplastic tube



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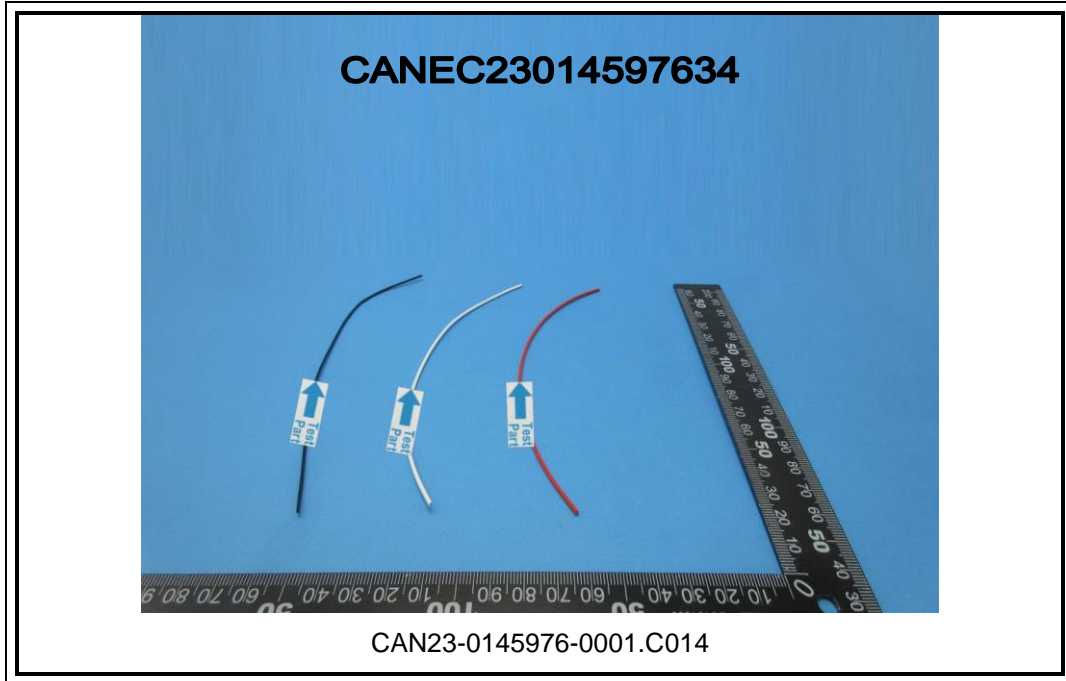
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