

# 检测报告 TEST REPORT

报告编号 (No.) :UTS25030060M03 报告日期 (Report Date) : 2025/03/11

委托单位/Client : 苏州清越光电科技股份有限公司  
Suzhou QingYue Optoelectronics Technology Co.,Ltd.  
地址/Address : 江苏省昆山市高新区晨丰路 188 号  
No.188 Chenfeng Rd., New & Hi-Tech Industrial Development Zone,  
Kunshan, Jiangsu, china

以下样品信息由申请人提供及确认:

The following sample(s) was/were submitted and identified on behalf of the client as:

样品名称/Sample Name : OLED 模组/OLED module  
型号/Model : M00412 红光/M00412 Red Light  
供应商/Supplier : 苏州清越/Suzhou QingYue  
接样日期/Receiving Date : 2025/03/05  
检测项目/Test Item : RoHS 2.0 & 卤素/Halogen



签发  
Approved by 樊建红 授权签字人

审核  
Reviewed by 马林

编制  
Prepared by 黄佳蔚

检 测 报 告  
TEST REPORT

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1、测试标准/Test Standard(s)  
IEC62321; EN 14582:2016

2、测试日期/Test Date(s)  
2025/03/06-2025/03/11

3、测试设备/Test Equipment(s)

| 设备名称<br>Test Equipment | 设备编号<br>Equipment Number | 校准有效期<br>Calibration Period of Validity |
|------------------------|--------------------------|-----------------------------------------|
| 等离子体发射光谱仪<br>ICP-OES   | M-1-584                  | 2025/12/14                              |
| 紫外可见分光光度计<br>UV-vis    | M-1-622                  | 2025/12/12                              |
| 气相色谱质谱联用仪<br>GC-MS     | M-1-583                  | 2025/12/14                              |
| 气相色谱质谱联用仪<br>GC-MS     | M-1-582                  | 2025/12/14                              |
| 离子色谱仪<br>IC            | E-1-1038                 | 2026/11/21                              |

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## 4、测试结果/Test Result(s)

## 4.1、RoHS 2.0

| 检测项目<br>Test Items                                | 检测方法<br>Methods | 方法检测限<br>MDL<br>(mg/kg) | 检测结果<br>Results <sup>▲</sup><br>(mg/kg) |
|---------------------------------------------------|-----------------|-------------------------|-----------------------------------------|
| 铅/Pb                                              | M1              | 2                       | N.D.                                    |
| 镉/Cd                                              |                 | 2                       | N.D.                                    |
| 汞/Hg                                              | M2              | 2                       | N.D.                                    |
| 六价铬/Cr (VI)                                       | M3              | 8                       | N.D.                                    |
| 一溴联苯/Monobromobiphenyl (MonoBB)                   | M4              | 5                       | N.D.                                    |
| 二溴联苯/Dibromobiphenyl (DiBB)                       |                 | 5                       | N.D.                                    |
| 三溴联苯/Tribromobiphenyl (TriBB)                     |                 | 5                       | N.D.                                    |
| 四溴联苯/Tetrabromobiphenyl (TetraBB)                 |                 | 5                       | N.D.                                    |
| 五溴联苯/Pentabromobiphenyl (PentaBB)                 |                 | 5                       | N.D.                                    |
| 六溴联苯/Hexabromobiphenyl (HexaBB)                   |                 | 5                       | N.D.                                    |
| 七溴联苯/Heptabromobiphenyl (HeptaBB)                 |                 | 5                       | N.D.                                    |
| 八溴联苯/Octabromobiphenyl (OctaBB)                   |                 | 5                       | N.D.                                    |
| 九溴联苯/Nonabromobiphenyl (NonaBB)                   |                 | 5                       | N.D.                                    |
| 十溴联苯/Decabromobiphenyl (DecaBB)                   |                 | 5                       | N.D.                                    |
| 上述多溴联苯总和/Total PBBs sum of above                  |                 | ---                     | N.D.                                    |
| 一溴二苯醚/Monobromodiphenyl ether (MonoBDE)           |                 | 5                       | N.D.                                    |
| 二溴二苯醚/Dibromodiphenyl ether (DiBDE)               |                 | 5                       | N.D.                                    |
| 三溴二苯醚/Tribromodiphenyl ether (TriBDE)             |                 | 5                       | N.D.                                    |
| 四溴二苯醚/Tetrabromodiphenyl ether (TetraBDE)         |                 | 5                       | N.D.                                    |
| 五溴二苯醚/Pentabromodiphenyl ether (PentaBDE)         |                 | 5                       | N.D.                                    |
| 六溴二苯醚/Hexabromodiphenyl ether (HexaBDE)           |                 | 5                       | N.D.                                    |
| 七溴二苯醚/Heptabromodiphenyl ether (HeptaBDE)         |                 | 5                       | N.D.                                    |
| 八溴二苯醚/Octabromodiphenyl ether (OctaBDE)           |                 | 5                       | N.D.                                    |
| 九溴二苯醚/Nonabromodiphenyl ether (NonaBDE)           |                 | 5                       | N.D.                                    |
| 十溴二苯醚/Decabromodiphenyl ether (DecaBDE)           |                 | 5                       | N.D.                                    |
| 上述多溴二苯醚总和/Total PBDEs sum of above                |                 | ---                     | N.D.                                    |
| 邻苯二甲酸二丁酯/Dibutyl Phthalate (DBP)                  | M5              | 30                      | N.D.                                    |
| 邻苯二甲酸丁基苄基酯/Benzylbutyl Phthalate (BBP)            |                 | 30                      | N.D.                                    |
| 邻苯二甲酸二(2-乙基己基)酯/Di-(2-ethylhexyl)Phthalate (DEHP) |                 | 30                      | N.D.                                    |
| 邻苯二甲酸二异丁酯/Diisobutyl phthalate(DIBP)              |                 | 30                      | N.D.                                    |

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4.2、卤素/Halogen

| 检测项目<br>Test Item | 检测方法<br>Methods | 方法检测限<br>MDL<br>(mg/kg) | 检测结果<br>Results▲<br>(mg/kg) |
|-------------------|-----------------|-------------------------|-----------------------------|
| 氟/Fluorine (F)    | M6              | 30                      | N.D.                        |
| 氯/Chlorine (Cl)   |                 | 30                      | N.D.                        |
| 溴/Bromine (Br)    |                 | 30                      | N.D.                        |
| 碘/Iodine (I)      |                 | 30                      | N.D.                        |
| 总计/Total (Cl+Br)  |                 | ---                     | N.D.                        |

- 备注 1) “---” = 未明确规定/Not Regulated.  
/Note : 2) N.D. = 未检出, 小于方法检测限/Not detected, less than MDL.  
3) M1: 参考 IEC 62321-5: 2013, 采用电感耦合等离子体发射光谱仪进行测定。  
With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.  
4) M2: 参考 IEC 62321-4: 2013+AMD1: 2017CSV, 采用电感耦合等离子体发射光谱仪进行测定。  
With reference to IEC 62321-4: 2013+AMD1: 2017CSV, analysis was performed by ICP-OES.  
5) M3: 参考 IEC 62321-7-2: 2017, 采用紫外-可见分光光度计进行测定。  
With reference to IEC 62321-7-2: 2017, analysis was performed by UV-Vis.  
6) M4: 参考 IEC 62321-6: 2015, 采用气相色谱-质谱联用仪进行测定。  
With reference to IEC 62321-6: 2015, analysis was performed by GC-MS.  
7) M5: 参考 IEC 62321-8: 2017,采用气相色谱-质谱联用仪进行测定。  
With reference to IEC 62321-8: 2017, analysis was performed by GC-MS.  
8) M6: 参考 EN 14582: 2016, 采用离子色谱法(IC)进行检测。  
With reference to EN 14582: 2016, analysis was performed by IC.  
9) ▲样品基于客户要求为混合测试。报告中的混合测试结果不代表其中个别单一材质的含量, 该测试数据仅供参考。▲The samples were tested in mixture. The results do not represent the content of individual single material.

检测部位描述/TEST PART DESCRIPTION: 非金属混测/Non-metal mixed test

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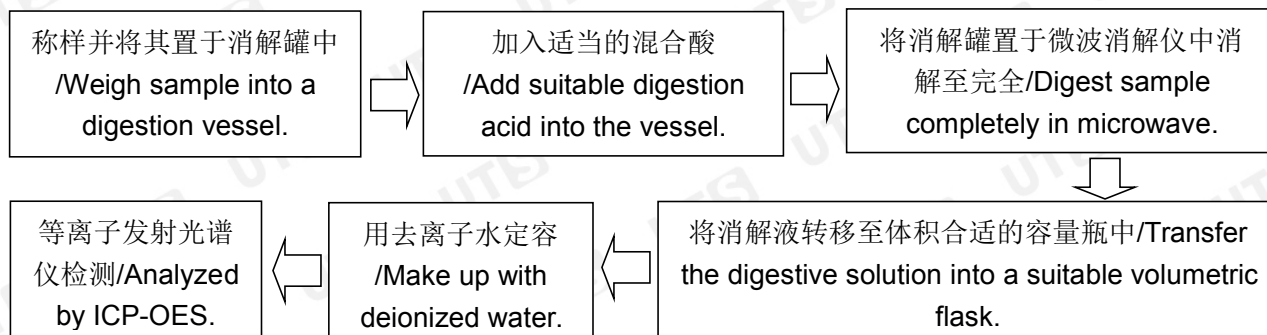
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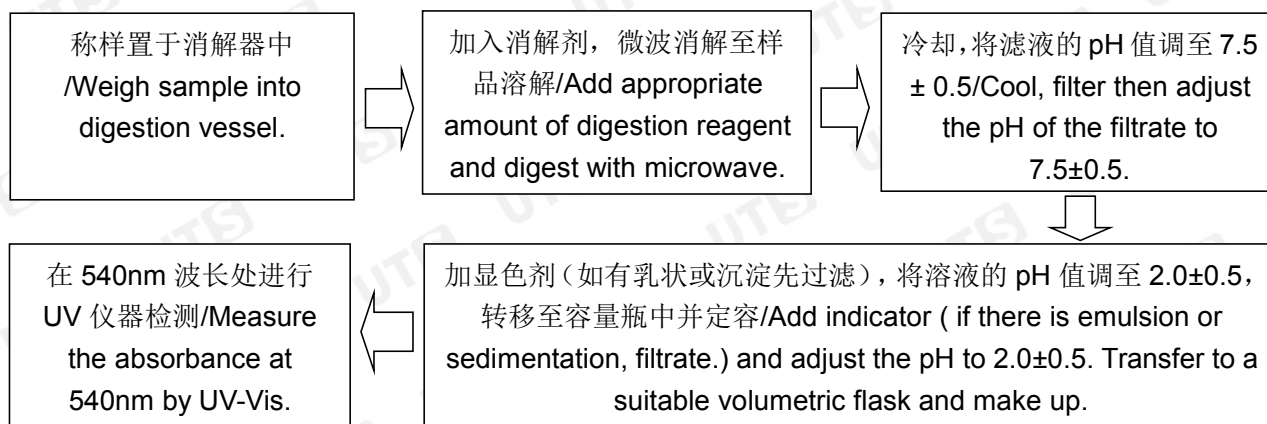
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## 检测流程图/FLOW CHART

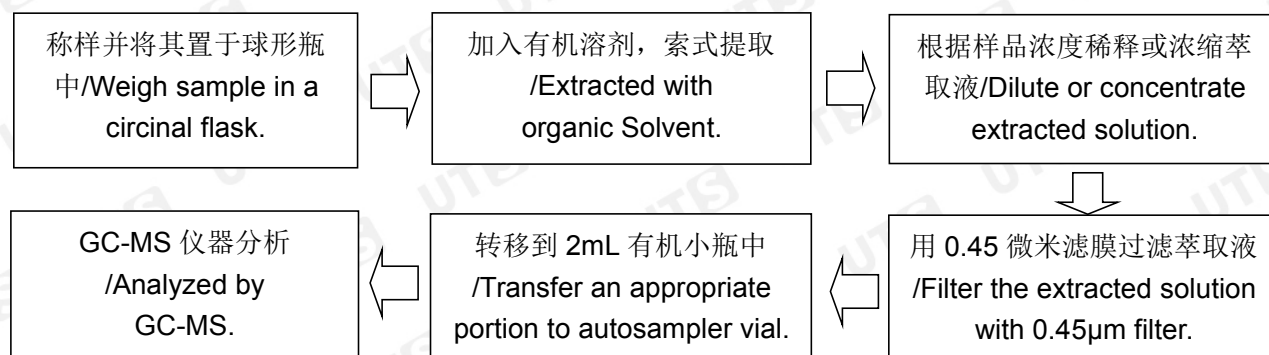
### 1. Pb、Cd、Hg 检测/Test for Pb, Cd, Hg Content



### 2. 六价铬 Cr (VI) 检测/Test for Chromium (VI) Content



### 3. 多溴联苯&多溴二苯醚和邻苯二甲酸酯检测 /Test for PBBs&PBDEs and Phthalates



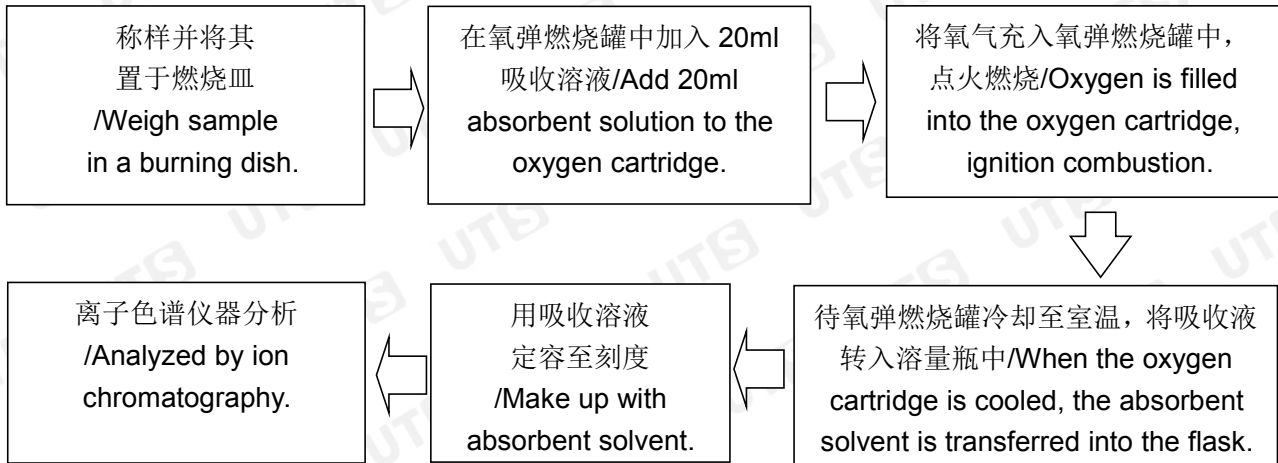
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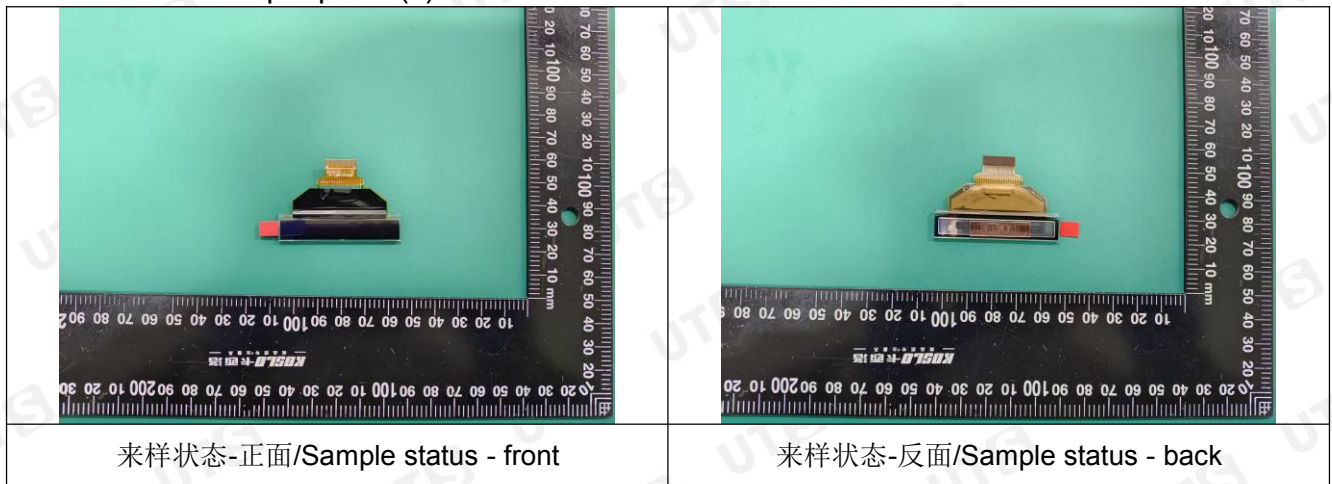
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### 4. 卤素检测/Test for halogen Content



### 5. 样品照片/Sample photo(s)



.....报告结束/End of Report.....

本报告中结果仅作为科研、教学或内部质量控制之用。

Test results in this report are only used for scientific research, teaching and internal quality control.