检　测　报　告
TEST REPORT

报告编号（No.）:UTS25030060M01　　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　：MS03562 白光/MS03562 White 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 & 邻苯 4P/Phthalate 4 (DINP/DIDP/DNHP/DNOP)

签发 Approved by	审核 Reviewed by	编制 Prepared by
樊建红 授权签字人	马林	黄佳蔚

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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 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
等离子体发射光谱仪 ICP-OES	M-1-584	2025/12/14
紫外可见分光光度计 UV-vis	M-1-622	2025/12/12
气相色谱质谱联用仪 GC-MS	M-1-583	2025/12/14
气相色谱质谱联用仪 GC-MS	M-1-582	2025/12/14
离子色谱仪 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 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results▲ (mg/kg)
铅/Pb	M1	2	24.08
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-乙基已基）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 Test Item	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results▲ (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	87.80
总计/Total (Cl+Br)		---	N.D.

4.3、邻苯 4P/Phthalate 4（DINP/DIDP/DNHP/DNOP）

检测项目 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results▲ (mg/kg)
邻苯二甲酸二壬酯/Dinonyl phthalate（DINP）	M7	50	N.D.
邻苯二甲酸二异葵酯/Di-isodecyl phthalate（DIDP）		50	N.D.
邻苯二甲酸二正辛酯/Di-n-octyl phthalate（DNOP）		30	N.D.
邻苯二甲酸二正己酯/Dihexyl phthalate（DNHP）		30	N.D.

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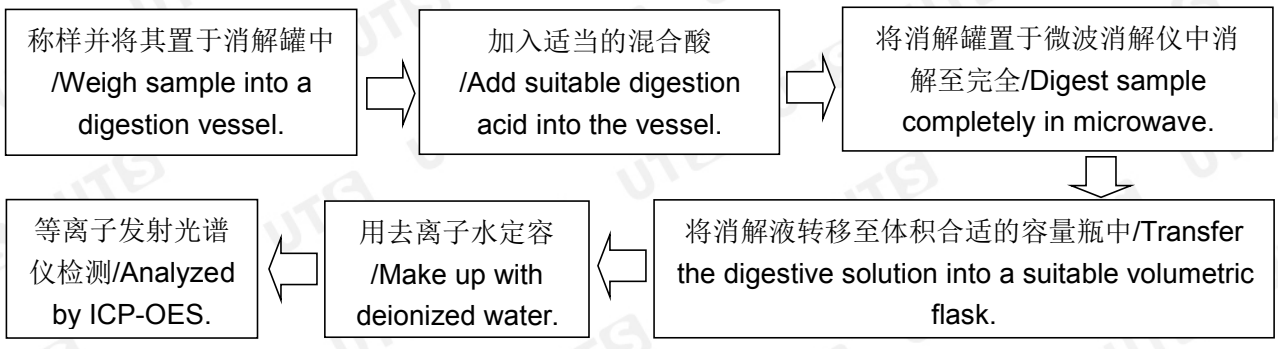
备注 /Note :

1) "---" = 未明确规定/Not Regulated.
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) M7: 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.
10) ▲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

检测流程图/FLOW CHART

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



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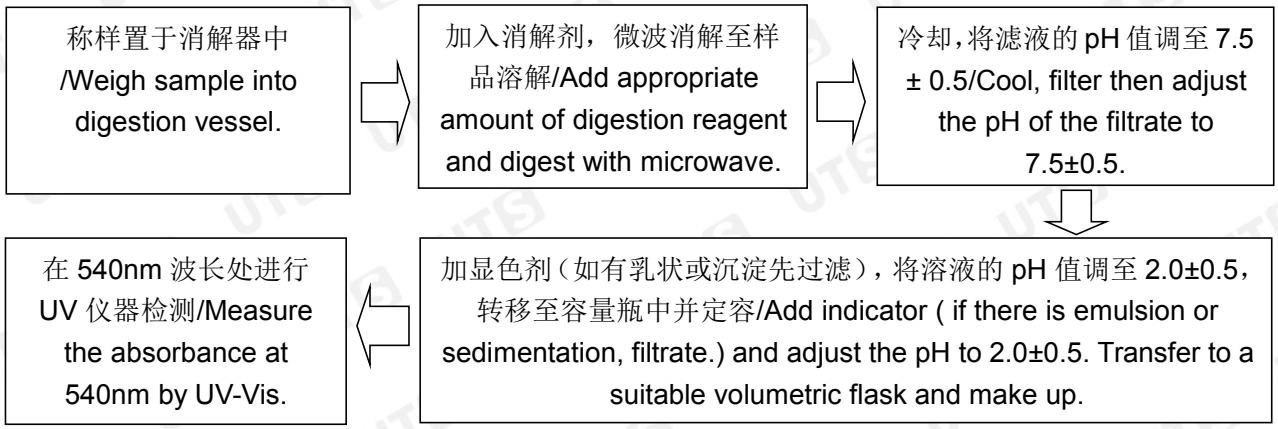
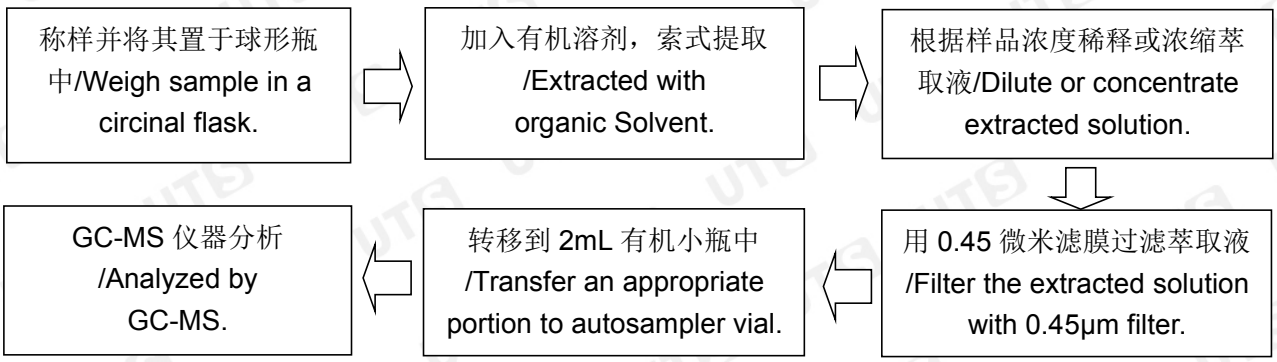
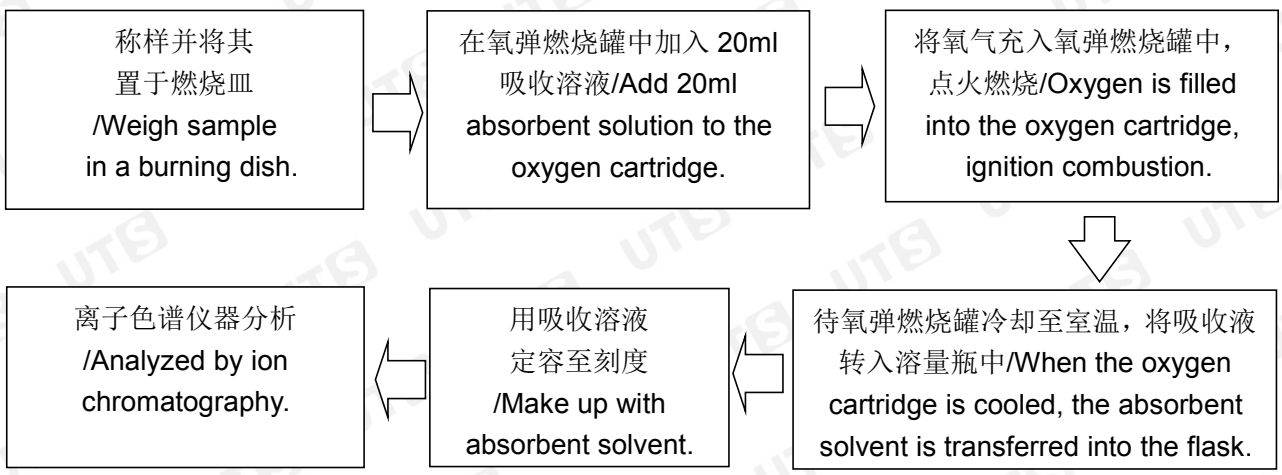
2. 六价铬 Cr（Ⅵ）检测/Test for Chromium（Ⅵ）Content



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



4. 卤素检测/Test for halogen Content



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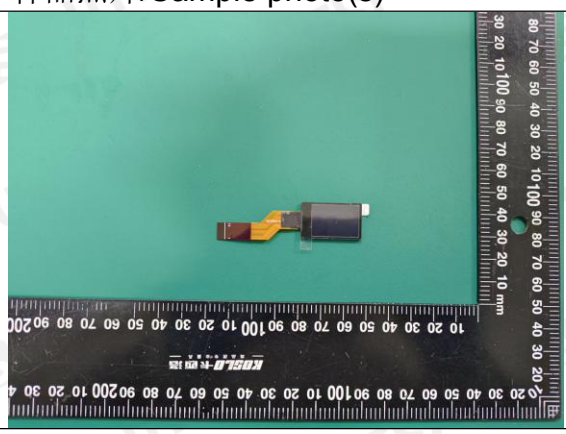
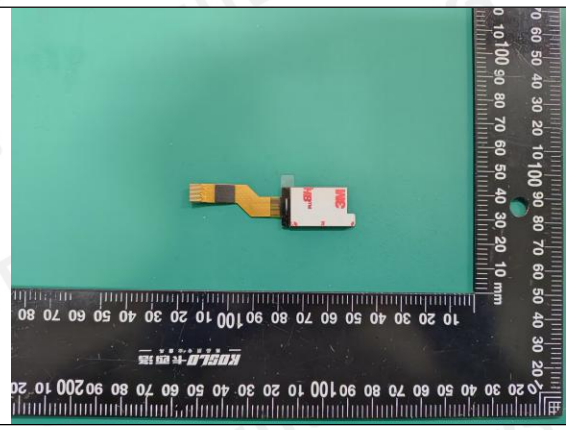
5、样品照片/Sample photo(s)

	
来样状态-正面/Sample status - front	来样状态-反面/Sample status - back

……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.

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