

检测报告  
Test Report



报告编号 A2230671111101004E  
Report No. A2230671111101004E

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报告抬头公司名称 鸿利智汇集团股份有限公司广州分公司  
Company Name HONGLI ZHIHUI GROUP CO.,LTD. GUANGZHOU BRANCH  
shown on Report

地址 广州市花都区花东镇先科一路1号2栋316室  
Address ROOM 316, BUILDING 2, NO.1, XIANKE YI ROAD, HUADONG TOWN, HUADU DISTRICT, GUANGZHOU, CHINA

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

|                      |                               |
|----------------------|-------------------------------|
| 样品名称                 | COB LM Series                 |
| Sample Name          | COB LM Series                 |
| 样品接收日期               | 2023.12.21                    |
| Sample Received Date | Dec. 21, 2023                 |
| 样品检测日期               | 2023.12.21-2024.01.02         |
| Testing Period       | Dec. 21, 2023 to Jan. 2, 2024 |

测试内容 Test Conducted:

根据客户的申请要求，具体要求详见下一页。  
As requested by the applicant. For details refer to next page(s).



批准  
Approved by  
  
郑晴涛  
技术经理 Technical Manager

日期  
Date 2024.01.09

No. R177731911

广东省深圳市宝安区新安街道兴东社区华测检测大楼

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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**测试摘要 Executive Summary:**

**测试要求  
TEST REQUEST**

美国环保署有毒物质控制法(TSCA)第6(h)部分关于持久性、生物累积性和毒性(PBT)化学物质的管控  
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)

- 十溴二苯醚  
Decabromodiphenyl Ether (DecaBDE)
- 异丙基化磷酸三苯酯  
Phenol, Isopropylated Phosphate (PIP (3:1))
- 2,4,6-三叔丁基苯酚  
2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)
- 六氯丁二烯  
Hexachlorobutadiene (HCBd)
- 五氯苯硫酚  
Pentachlorothiophenol (PCTP)

**测试结果  
CONCLUSION**

见结果页  
See test result(s)

见结果页  
See test result(s)

见结果页  
See test result(s)

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See test result(s)

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\*\*\*\*\*详细结果, 请见下页\*\*\*\*\*  
\*\*\*\*\* For further details, please refer to the following page(s) \*\*\*\*\*

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美国环保署有毒物质控制法(TSCA)第6(h)部分关于持久性、生物累积性和毒性(PBT)化学物质的管控  
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA)  
Section 6(h)

### ▼ 十溴二苯醚Decabromodiphenyl Ether (DecaBDE)

测试方法: 参考US EPA 3550C:2007 & US EPA 8270E:2018; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

| 测试项目<br>Tested Item(s)                  | 结果Result (mg/kg) | 方法检出限<br>MDL (mg/kg) | 限值Limit<br>(mg/kg) |
|---|------------------|----------------------|--------------------|
|   | 004              |                      |                    |
| 十溴二苯醚 Decabromodiphenyl Ether (DecaBDE) | N.D.             | 5                    | N.D.               |

备注 Remark:

- MDL = 方法检出限Method Detection Limit
- N.D. = 未检出Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 根据客户要求, 对样品进行整体混合测试, 测试结果不代表样品中任何一种单一材质的含量。 As specified by client, the test was conducted by mixing all materials together. The result(s) shown on this report may be different from the content of any homogeneous material.

### ▼ 异丙基化磷酸三苯酯Phenol, Isopropylated Phosphate (PIP (3:1))

测试方法: 参考US EPA 3550C:2007 & US EPA 8270E:2018; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

| 测试项目<br>Tested Item(s)                                | 结果Result (mg/kg) | 方法检出限<br>MDL (mg/kg) | 限值Limit<br>(mg/kg) |
|---|------------------|----------------------|--------------------|
|   | 004              |                      |                    |
| 异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1)) | N.D.             | 5                    | N.D.               |

备注 Remark:

- MDL = 方法检出限Method Detection Limit
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### ▼ 2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)

测试方法: 参考US EPA 3550C:2007 & US EPA 8270E:2018; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

| 测试项目<br>Tested Item(s)  | 结果Result (mg/kg) | 方法检出限<br>MDL (mg/kg) | 限值Limit (mg/kg) |
|---|------------------|----------------------|-----------------|
|   | 004              |                      |                 |
| 2,4,6-三叔丁基苯酚<br>2,4,6-tris(tert-butyl) phenol<br>(2,4,6-TTBP) | N.D.             | 5                    | 3000            |

备注 Remark:

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### ▼ 六氯丁二烯 Hexachlorobutadiene (HCBD)

测试方法: 参考US EPA 3550C:2007 & US EPA 8270E:2018; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

| 测试项目<br>Tested Item(s)              | 结果Result (mg/kg) | 方法检出限<br>MDL (mg/kg) | 限值Limit (mg/kg) |
|-------------------------------------|------------------|----------------------|-----------------|
|                                     | 004              |                      |                 |
| 六氯丁二烯 Hexachlorobutadiene<br>(HCBD) | N.D.             | 5                    | N.D.            |

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 根据客户要求, 对样品进行整体混合测试, 测试结果不代表样品中任何一种单一材质的含量。 As specified by client, the test was conducted by mixing all materials together. The result(s) shown on this report may be different from the content of any homogeneous material.

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### ▼ 五氯苯硫酚 Pentachlorothiophenol (PCTP)

测试方法: 参考US EPA 3550C:2007 & US EPA 8270E:2018; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

| 测试项目<br>Tested Item(s)             | 结果Result (mg/kg) | 方法检出限<br>MDL (mg/kg) | 限值Limit (mg/kg) |
|------------------------------------|------------------|----------------------|-----------------|
|                                    | 004              |                      |                 |
| 五氯苯硫酚 Pentachlorothiophenol (PCTP) | N.D.             | 5                    | 10000           |

#### 备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
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- 根据客户要求, 对样品进行整体混合测试, 测试结果不代表样品中任何一种单一材质的含量。As specified by client, the test was conducted by mixing all materials together. The result(s) shown on this report may be different from the content of any homogeneous material.

#### 样品/部位描述 Sample/Part Description

| 序号<br>No. | CTI样品ID<br>CTI Sample ID | 描述<br>Description                  |
|-----------|--------------------------|------------------------------------|
| 1         | 004                      | COB LM (整体混合测试)<br>COB LM(Mix all) |

#### 注释Note:

- 本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。  
 The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

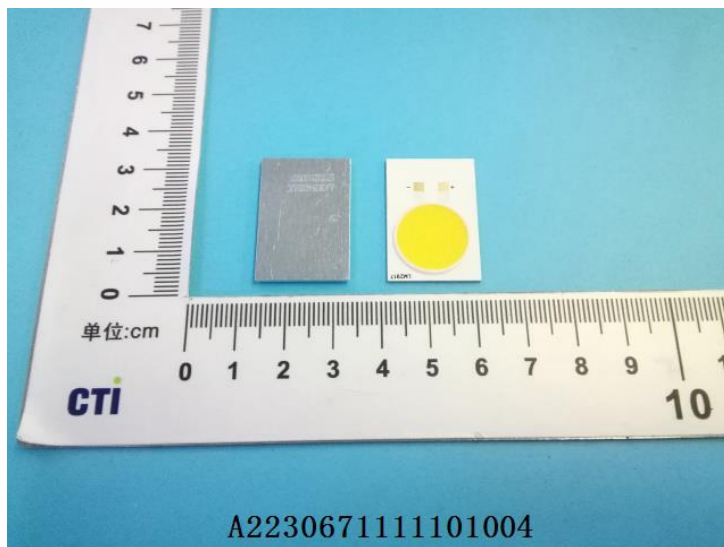
CTI 华测检测

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### 样品图片 Photo(s) of the sample(s)



#### 声明 Statement:

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效;  
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性;  
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;  
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;  
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. 未经CTI书面同意, 不得部分复制本报告;  
Without written approval of CTI, this report can't be reproduced except in full;
6. 如检测报告中的英文内容与中文内容有差异, 以中文为准。  
In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

\*\*\*报告结束\*\*\*  
\*\*\* End of report \*\*\*