# Test Report

**No.:** CANEC26026462911 **Date:** Sep 29, 2026 

Client Name: GUANGZHOU TIANXIN PHOTOELETRIC CO.,LTD

Client Address: #15-1，JINGU ROAD SOUTH,XIUTANG,HUADONG TOWN,HUADU DISTRICT GUANGZHOU

Sample Name: Tunable White COB LED

The above sample(s) and information were provided by the client.

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SGS Job No.: GZP26-029299

Sample Receiving Date: Sep 14, 2026

Testing Period: Sep 14, 2026 ~ Sep 22, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|---|---|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | Pass |

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Arsene Ye

Arsene Ye
Approved Signatory

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**Test Result(s):**

**Test Part Description:**

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | A18 | CAN26-0264629-0001.C018 | White w/ yellow soft material and chip |
| SN2 | A19 | CAN26-0264629-0001.C019 | White sheet w/ silvery surface & chip, multi-color dot and solder |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)**

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s) | Limit | Unit(s) | MDL | A18 | A19 |
|---|---|---|---|---|---|
| Lead (Pb) | 1000 | mg/kg | 2 | ND | ND |
| Mercury (Hg) | 1000 | mg/kg | 2 | ND | ND |
| Cadmium (Cd) | 100 | mg/kg | 2 | ND | ND |
| Hexavalent Chromium (Cr(VI)) | 1000 | mg/kg | 8 | ND | ND |
| Polybrominated biphenyls (PBB) | 1000 | mg/kg | - | ND | ND |
| Monobrominated biphenyl (MonoBB) | - | mg/kg | 25 | ND | ND |
| Dibrominated biphenyl (DiBB) | - | mg/kg | 25 | ND | ND |
| Tribrominated biphenyl (TriBB) | - | mg/kg | 25 | ND | ND |
| Tetrabrominated biphenyl (TetraBB) | - | mg/kg | 25 | ND | ND |
| Pentabrominated biphenyl (PentaBB) | - | mg/kg | 25 | ND | ND |
| Hexabrominated biphenyl (HexaBB) | - | mg/kg | 25 | ND | ND |
| Heptabrominated biphenyl (HeptaBB) | - | mg/kg | 25 | ND | ND |
| Octabrominated biphenyl (OctaBB) | - | mg/kg | 25 | ND | ND |
| Nonabrominated biphenyl (NonaBB) | - | mg/kg | 25 | ND | ND |
| Decabrominated biphenyl (DecaBB) | - | mg/kg | 25 | ND | ND |
| Polybrominated diphenyl ethers (PBDE) | 1000 | mg/kg | - | ND | ND |
| Monobrominated diphenyl ether (MonoBDE) | - | mg/kg | 25 | ND | ND |
| Dibrominated diphenyl ether (DiBDE) | - | mg/kg | 25 | ND | ND |
| Tribrominated diphenyl ether (TriBDE) | - | mg/kg | 25 | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | - | mg/kg | 25 | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | - | mg/kg | 25 | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE) | - | mg/kg | 25 | ND | ND |

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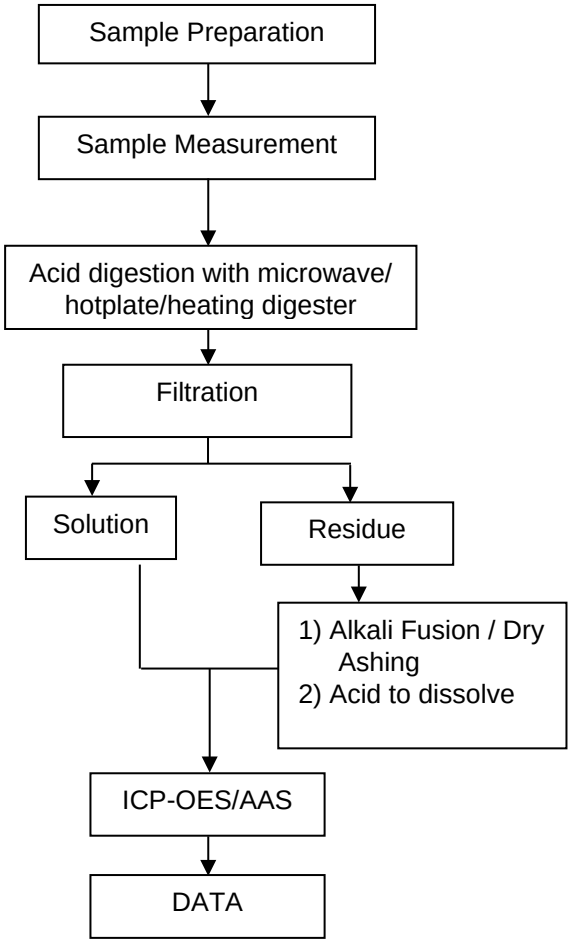
**Elements Testing Flow Chart**

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.

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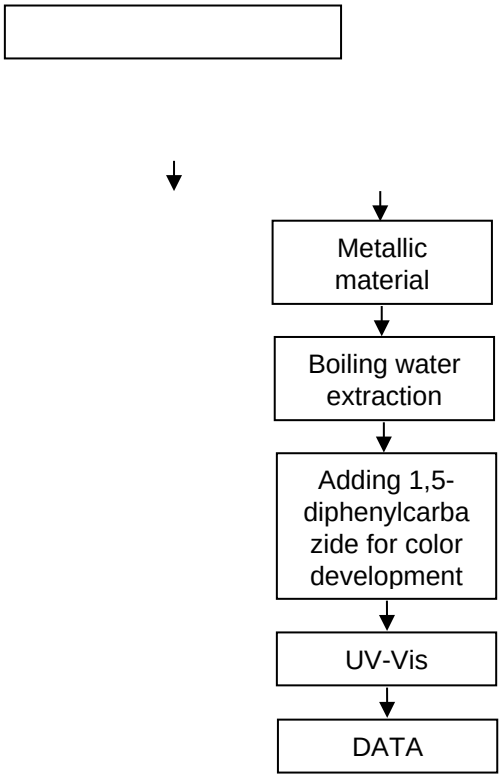
**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**

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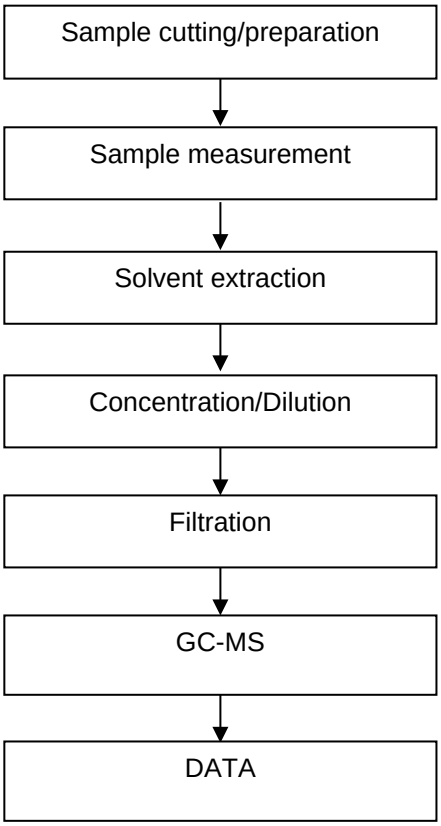
**PBB(s)/PBDE(s)/Phthalates Testing Flow Chart**

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**Sample Photo:**

CAN26-0264629-0001.C018

CAN26-0264629-0001.C019

SGS authenticate the photo on original report only

*** End of Report ***

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