

## Test Report

No.: CANEC24003491327

Date: Mar 11, 2024

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Client Name: GUANGDONG WEIPU ELECTRICAL APPLIANCE CO., LTD.

Client Address: NO.3 PULING ROAD, DAYAN INDUSTRIAL PARK, HUANGPU TOWN, ZHONGSHAN CITY, GUANGDONG PROVINCE, CHINA

Sample Name:  $\phi$ 1.5×35.5 Pin plating blank

Main Substance: H59 copper

Supplier: G020

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

SGS Job No.: GZP24-002905

Sample Receiving Date: Mar 01, 2024

Testing Period: Mar 01, 2024 ~ Mar 11, 2024

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 and Hexavalent chromium | Pass       |

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

*Jany Zhong*

Jany Zhong  
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch

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**Test Result(s):**

Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description  |
|-------|------------|-------------------------|--------------|
| SN1   | A14        | CAN24-0034913-0001.C014 | Brassy metal |

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 and Hexavalent chromium**

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-1:2015, analysis was performed by ICP-OES/AAS and UV-Vis.

| Test Item(s)                  | Limit | Unit(s) | MDL  | A14    |
|-------------------------------|-------|---------|------|--------|
| Lead (Pb)                     | 1000  | mg/kg   | 2    | 27268▲ |
| Mercury (Hg)                  | 1000  | mg/kg   | 2    | ND     |
| Cadmium (Cd)                  | 100   | mg/kg   | 2    | 37     |
| Hexavalent Chromium (Cr(VI))▼ | -     | µg/cm²  | 0.10 | ND     |

**Notes:**

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ =
  - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI).
  - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating.
  - c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Remark ▲: According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 6(c)]: Copper alloy containing up to 4 % lead by weight.

More information about exemption can be found via the following link:

<https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf>

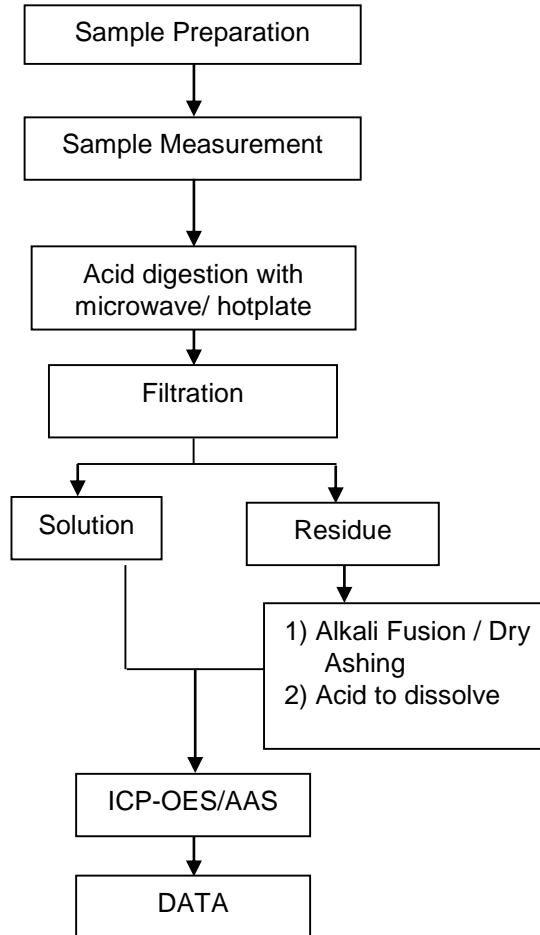
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



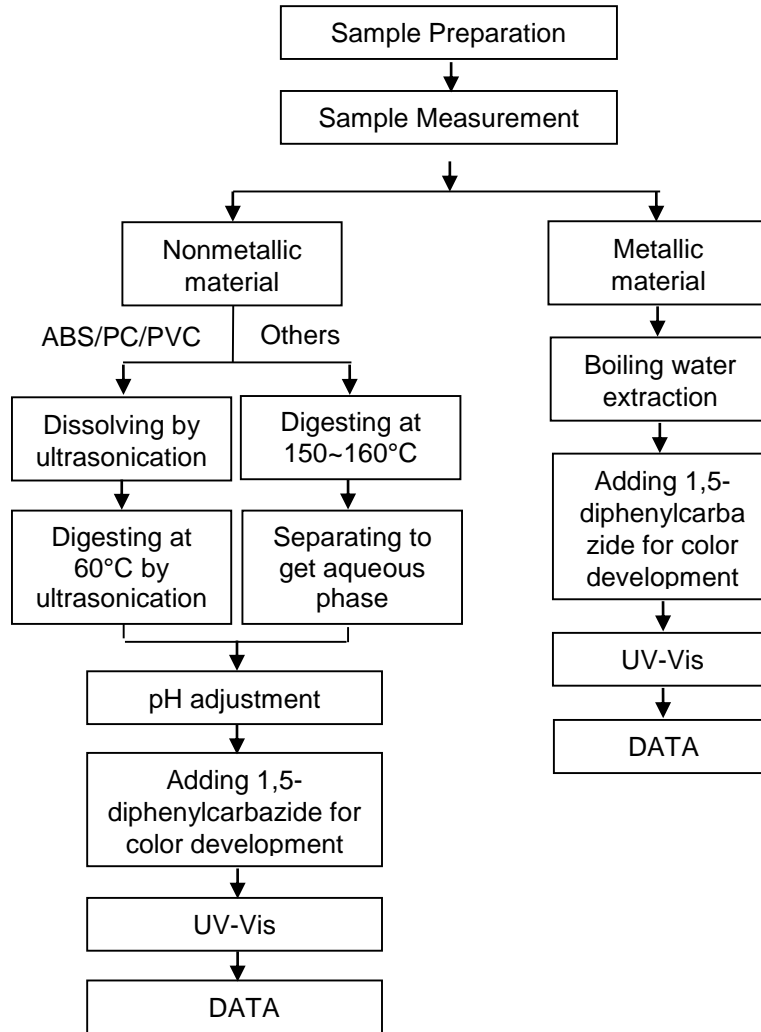
**ATTACHMENTS**

**Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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



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### Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



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Guangzhou Branch Technical Laboratory

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