

## Test Report

**No.:** CANEC23015806813

**Date:** Dec 15, 2023

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Client Name: TIANSHUI HUATIAN TECHNOLOGY CO.,LTD.

Client Address: NO.88, CHIYU ROAD, QINZHOU DISTRICT, TIANSHUI CITY, GANSU PROVINCE

Sample Name: SOT236-PINLEAD PLAYING PART(PURE TIN PLATING PRODUCT) base material is copper Alloy

Client Ref. Information: SOT023, SOT233, SOT235, SOT236, SOT333, SOT334, SOT335, SOT336, SOT089-3, SOT089-5, SOT223, TSOT236, TSOT235, TSOT238

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

SGS Job No.: GZP23-021332

Sample Receiving Date: Dec 06, 2023

Testing Period: Dec 06, 2023 ~ Dec 12, 2023

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 (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | Pass        |
| Perfluorooctane Sulfonates (PFOS) and its derivatives and Perfluorooctanoic Acid (PFOA) and its salts                                                                                                                                                                                                                      | See Results |
| Halogen                                                                                                                                                                                                                                                                                                                    | See Results |
| Phthalates                                                                                                                                                                                                                                                                                                                 | See Results |

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

\_\_\_\_\_  
Jany Zhong  
Approved Signatory



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## Test Result(s):

### Test Part Description

| SN ID | Sample No. | SGS Sample ID           | Description                     |
|-------|------------|-------------------------|---------------------------------|
| SN1   | A13        | CAN23-0158068-0001.C013 | Black body w/ silvery metal pin |

### 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 (PBBs), Polybrominated diphenyl ethers (PBDEs), 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, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s)                       | Limit | Unit(s) | MDL | A13 |
|------------------------------------|-------|---------|-----|-----|
| Cadmium(Cd)                        | 100   | mg/kg   | 2   | ND  |
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND  |
| Mercury (Hg)                       | 1000  | mg/kg   | 2   | ND  |
| Hexavalent Chromium (Cr(VI))       | 1000  | mg/kg   | 8   | ND  |
| Polybromobiphenyl (PBBs)           | 1000  | mg/kg   | -   | ND  |
| Monobromobiphenyl (MonoBB)         | -     | mg/kg   | 5   | ND  |
| Dibromobiphenyl (DiBB)             | -     | mg/kg   | 5   | ND  |
| Tribromobiphenyl (TriBB)           | -     | mg/kg   | 5   | ND  |
| Tetrabromobiphenyl (TetraBB)       | -     | mg/kg   | 5   | ND  |
| Pentabromobiphenyl (PentaBB)       | -     | mg/kg   | 5   | ND  |
| Hexabromobiphenyl (HexaBB)         | -     | mg/kg   | 5   | ND  |
| Heptabromobiphenyl (HeptaBB)       | -     | mg/kg   | 5   | ND  |
| Octabromobiphenyl (OctaBB)         | -     | mg/kg   | 5   | ND  |
| Nonabromobiphenyl (NonaBB)         | -     | mg/kg   | 5   | ND  |
| Decabromobiphenyl (DecaBB)         | -     | mg/kg   | 5   | ND  |
| Polybromodiphenyl ether(PBDEs)     | 1000  | mg/kg   | -   | ND  |
| Monobromodiphenylether (MonoBDE)   | -     | mg/kg   | 5   | ND  |
| Dibromodiphenylether (DiBDE)       | -     | mg/kg   | 5   | ND  |
| Tribromodiphenylether (TriBDE)     | -     | mg/kg   | 5   | ND  |
| Tetrabromodiphenylether (TetraBDE) | -     | mg/kg   | 5   | ND  |
| Pentabromodiphenylether (PentaBDE) | -     | mg/kg   | 5   | ND  |
| Hexabromodiphenylether (HexaBDE)   | -     | mg/kg   | 5   | ND  |
| Heptabromodiphenylether (HeptaBDE) | -     | mg/kg   | 5   | ND  |
| Octabromodiphenylether (OctaBDE)   | -     | mg/kg   | 5   | ND  |
| Nonabromodiphenylether (NonaBDE)   | -     | mg/kg   | 5   | ND  |
| Decabromodiphenylether (DecaBDE)   | -     | mg/kg   | 5   | ND  |
| Dibutyl Phthalate(DBP)             | 1000  | mg/kg   | 50  | ND  |
| Benzyl Butyl Phthalate(BBP)        | 1000  | mg/kg   | 50  | ND  |



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Test Item(s)

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| Test Item(s) | Unit(s) | MDL | A13 |
|--------------|---------|-----|-----|
| Fluorine(F)  | mg/kg   | 20  | ND  |
| Chlorine(Cl) | mg/kg   | 20  | ND  |
| Bromine(Br)  | mg/kg   | 20  | ND  |
| Iodine(I)    | mg/kg   | 20  | ND  |

### Phthalates

Test Method: With reference to EN 14372:2004, analysis was performed by GC-MS.

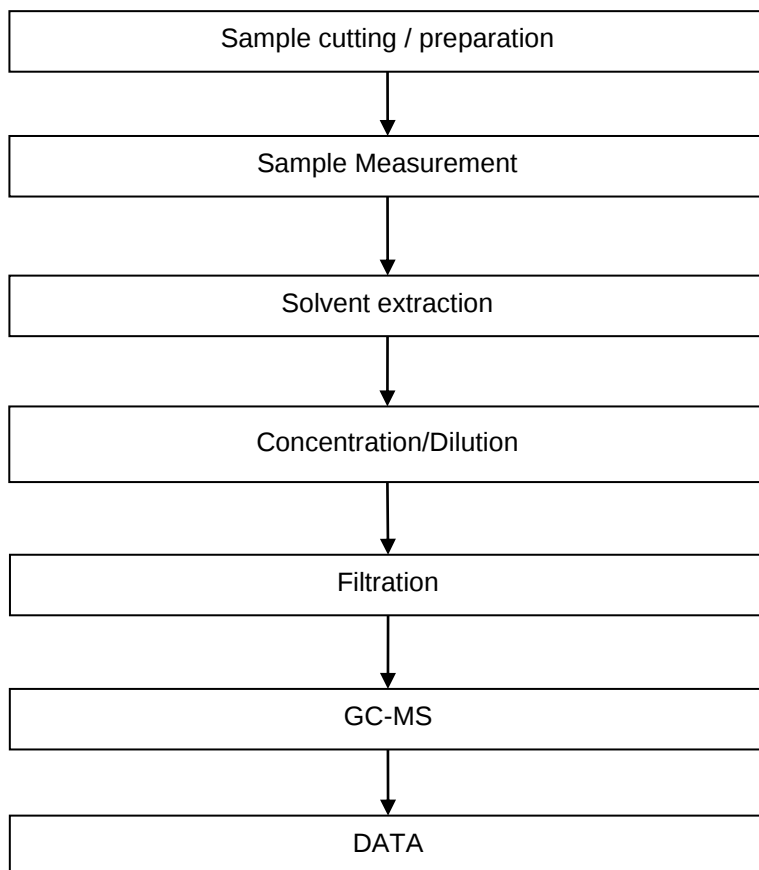
| Test Item(s)                | CAS No.                   | Unit(s) | MDL   | A13 |
|-----------------------------|---------------------------|---------|-------|-----|
| Diisononyl Phthalate (DINP) | 28553-12-0<br>/68515-48-0 | %       | 0.010 | ND  |
| Di-n-Octyl Phthalate(DNOP)  | 117-84-0                  | %       | 0.003 | ND  |
| Diisodecyl Phthalate (DIDP) | 26761-40-0<br>/68515-49-1 | %       | 0.010 | ND  |
| Dipentyl Phthalates (DnPP)  | 131-18-0                  | %       | 0.003 | ND  |
| Di-n-Hexyl Phthalate(DnHP)  | 84-75-3                   | %       | 0.003 |     |



Attachment:

### Phthalates Testing Flow Chart

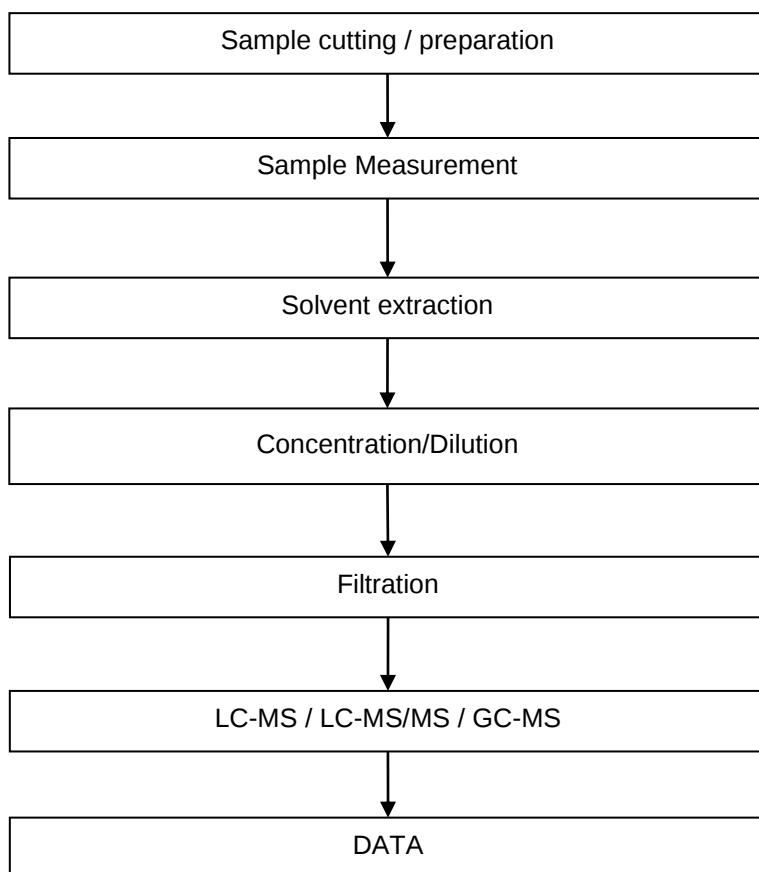
- 1) Name of the person who made testing: Judy Chen
- 2) Name of the person in charge of testing: Qiong Liu



Attachment:

### PFAS Testing Flow Chart

- 1) Name of the person who made testing: Olivia Li
- 2) Name of the person in charge of testing: Qiong Liu



Attachment:

**Halogen Testing Flow Chart**

- 1) Name of the person who made testing: Allen Shi
- 2) Name of the person in charge of testing: Bella Wang

