

# Test Report

No.: SHAEC23014765005

Date: Sep 22, 2023

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Client Name: JCET SEMICONDUCTOR (CHUZHOU) CO.,LTD

Client Address: NO.999 SHIJI RD., NORTH INDUSTRIAL PARK, CHUZHOU, ANHUI CHINA

Sample Name: SOT-223(8R) GREEN PRODUCT-PACKAGE PART , SOT-223(8R) GREEN PRODUCT-LEAD PART

Client Ref. Information: Including SOT-223

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

SGS Job No.: SHP23-013023

Sample Receiving Date: Sep 13, 2023

Testing Period: Sep 13, 2023 ~ Sep 19, 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        |
| 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)                                                                                                                           | Pass        |
| Element(s)                                                                                                                                                                                                                                                                                                                 | See Results |
| Halogen                                                                                                                                                                                                                                                                                                                    | See Results |
| Hexabromocyclododecane (HBCDD)                                                                                                                                                                                                                                                                                             | See Results |
| Phthalates                                                                                                                                                                                                                                                                                                                 | See Results |
| Perfluorooctane Sulfonates (PFOS) and its derivatives and Perfluorooctanoic Acid (PFOA) and its salts                                                                                                                                                                                                                      | See Results |
| Polycyclic Aromatic Hydrocarbons (PAHs)                                                                                                                                                                                                                                                                                    | See Results |

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Annie Liu

Annie Liu  
Approved Signatory



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**No.:**





- (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.

Element(s)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

| Test Item(s)  | Unit(s) | MDL | A5 |
|---------------|---------|-----|----|
| Phosphorus(P) |         |     |    |



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Test Item(s)



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| Test Item(s)                 | CAS No.  | Unit(s) | MDL | A5 |
|------------------------------|----------|---------|-----|----|
| Benzo(k)Fluoranthene(BkF)    | 207-08-9 | mg/kg   | 0.1 | ND |
| Chrysene(CHR)                | 218-01-9 | mg/kg   | 0.1 | ND |
| Dibenzo(a,h)Anthracene(DBA)  | 53-70-3  | mg/kg   | 0.1 | ND |
| Benzo(g,h,i)perylene(BPE)    | 191-24-2 | mg/kg   | 0.1 | ND |
| Indeno(1,2,3-c,d)pyrene(IPY) | 193-39-5 | mg/kg   | 0.1 | ND |
| Phenanthrene(PHE)            | 85-01-8  | mg/kg   | 0.1 | ND |
| Pyrene(PYR)                  | 129-00-0 | mg/kg   | 0.1 | ND |
| Anthracene(ANT)              | 120-12-7 |         |     |    |

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**Elements Testing Flow Chart**

Name of the person who made testing: Meria Jin/Sielina Song  
Name of the person in charge of testing: Luna Xu/Bob Zhang  
These samples were dissolved totally by pre-conditioning method according to below flow chart.

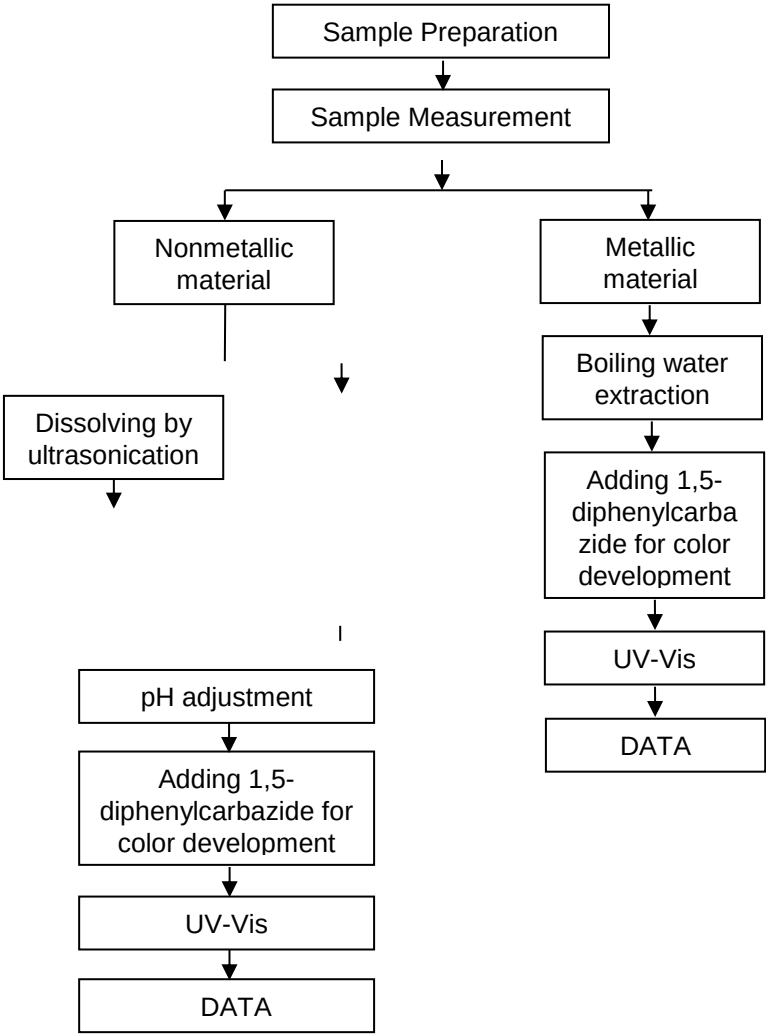
ICP



ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

Name of the person who made testing: Alex Wang  
Name of the person in charge of testing: Xiaolong Yang





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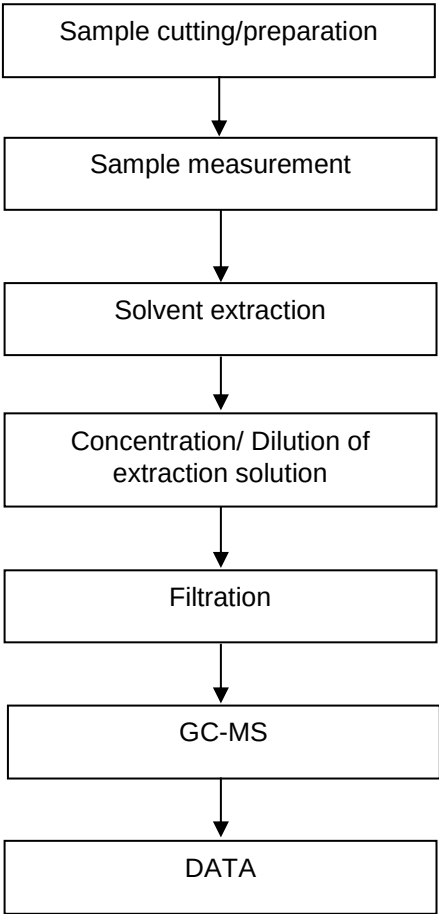
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PBBs/PBDEs Testing Flow Chart

Name of the person who made testing: Lucky Liu  
Name of the person in charge of testing: Sherry Shi





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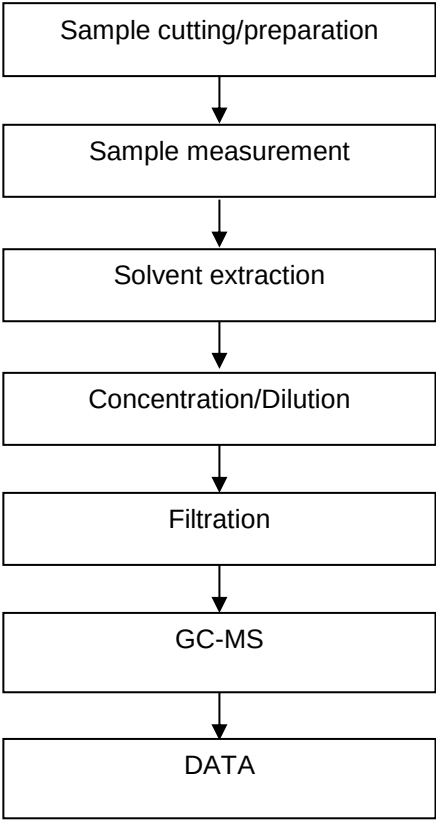
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Phthalates Testing Flow Chart

Name of the person who made testing: Lucky Liu  
Name of the person in charge of testing: Sherry Shi









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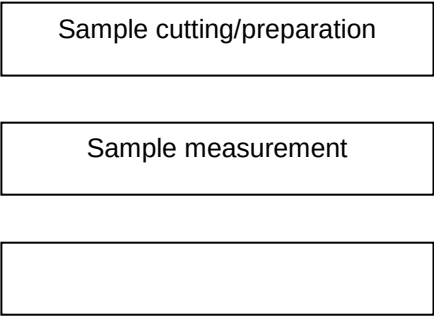
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HBCDD Testing Flow Chart

Name of the person who made testing: Lucky Liu  
Name of the person in charge of testing: Sherry Shi







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PAHs Testing Flow Chart

Name of the person who made testing: Nina Fang  
Name of the person in charge of testing: Liyas Wang

