Test Report

No.: SHAEC23014765005 **Date:** Sep 22, 2023

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

Test Report **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)			

Test Item(s)

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			

Test Report

ATTACHMENTS

Elements Testing Flow Chart

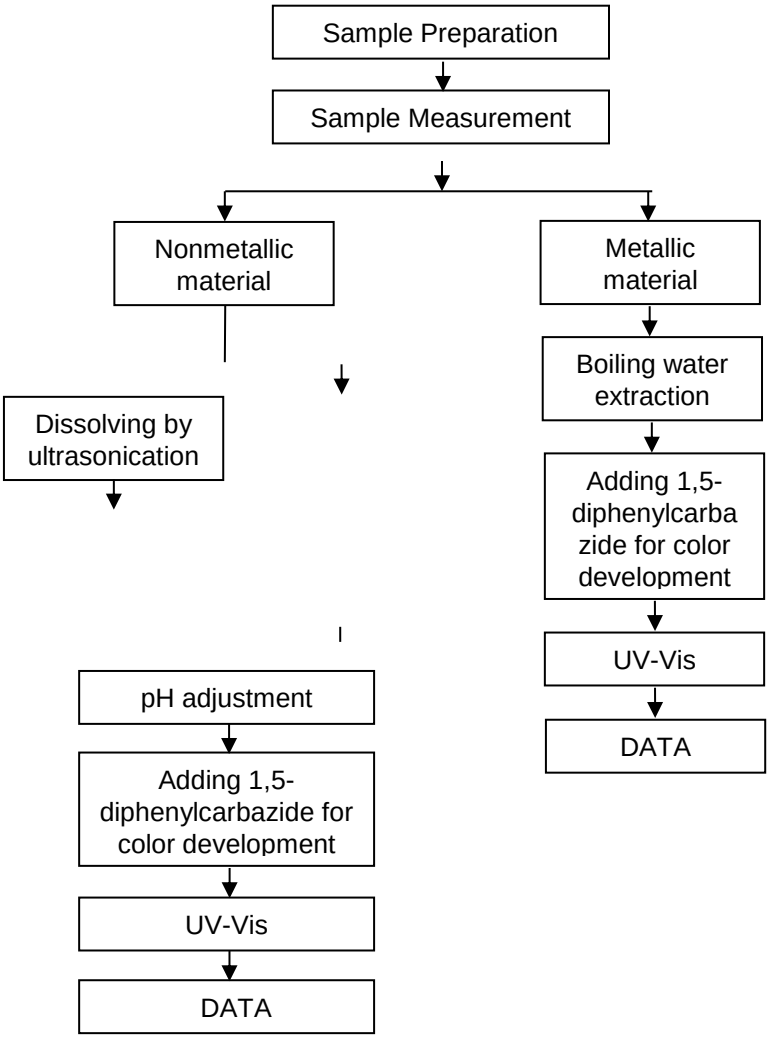
Name of the person who made testing: Meria Jin/Sielina Song
Name of the person in charge of testing: Luna Xu/Bob Zhang
These samples were dissolved totally by pre-conditioning method according to below flow chart.

ICP

ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

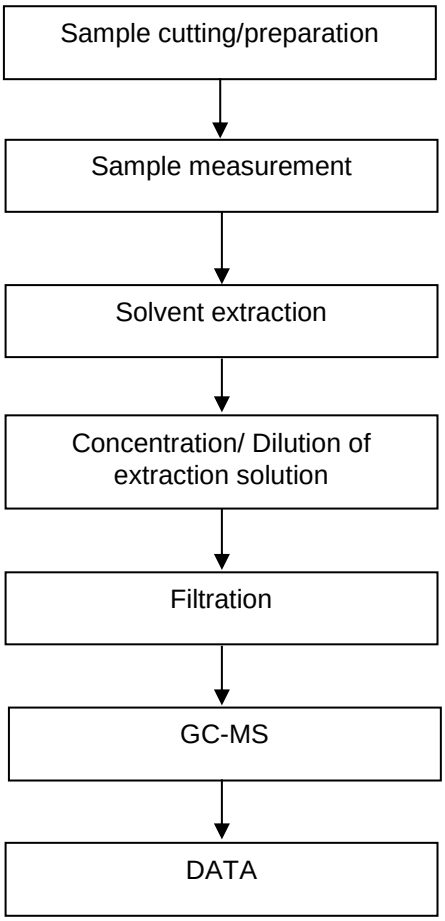
Name of the person who made testing: Alex Wang
Name of the person in charge of testing: Xiaolong Yang



ATTACHMENTS

PBBs/PBDEs Testing Flow Chart

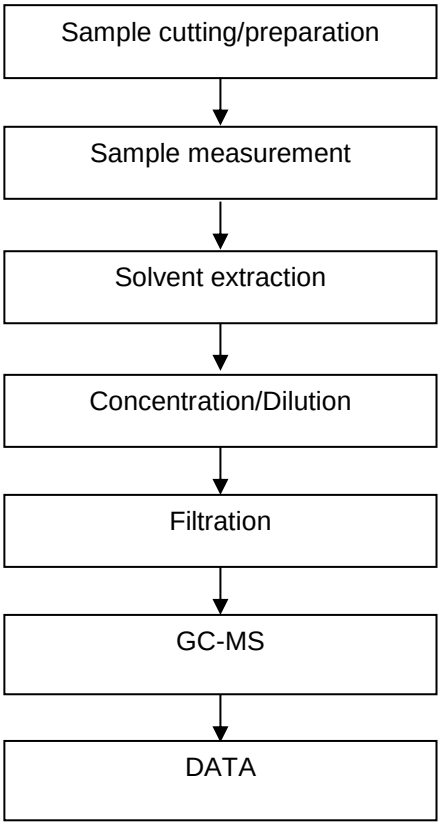
Name of the person who made testing: Lucky Liu
Name of the person in charge of testing: Sherry Shi



ATTACHMENTS

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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HBCDD Testing Flow Chart

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

Sample cutting/preparation

Sample measurement

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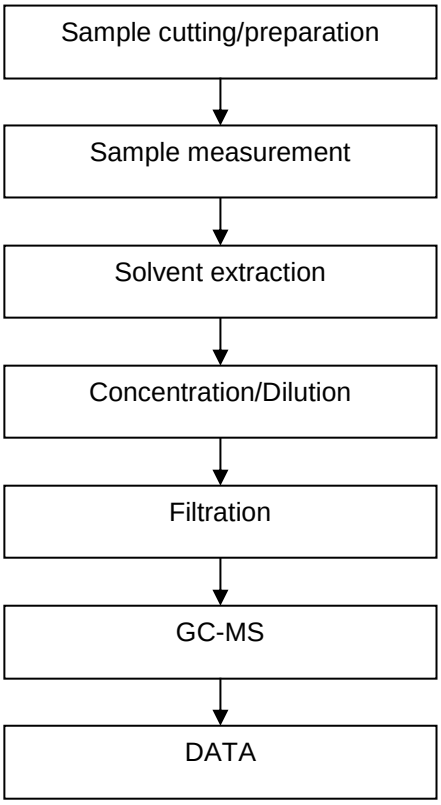
PAHs Testing Flow Chart

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