

A2240219934101001

Report No.

Test Report



Company Name SHANGHAI SEMITECH SEMICONDUCTOR CO., LTD shown on Report ROOM 311, UNIT 2, NO. 2501, DUHUI ROAD, MINHANG DISTRICT, SHANGHAI, CHINA Address The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant Semiconductor DICE Sample Name Sample Received Date Apr. 22, 2024 **Testing Period** Apr. 22, 2024 to Apr. 25, 2024 As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent **Test Requested** Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s). Please refer to the following page(s). **Test Method** Please refer to the following page(s). **Test Result(s)**



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Date

Apr. 25, 2024

No. R268851064

No.1351, Wanfang Road, Minhang District, Shanghai, China



Report No. A2240219934101001

Test Method

Page 2 of 7

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
Fluorine (F)	Refer to EN 14582:2016 IC	
Chlorine (Cl)	Refer to EN 14582:2016	IC
Bromine (Br)	nine (Br) Refer to EN 14582:2016 IC	
Iodine (I)	Refer to EN 14582:2016	IC





Report No. A2240219934101001

Test Result(s)			
Tested Item(s)	Result 001	MDL	
Lead (Pb)	47615 mg/kg	2 mg/kg	
Cadmium (Cd)	N.D.	2 mg/kg	
Mercury (Hg)	N.D.	2 mg/kg	
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	
Tested Item(s)	Result 001	MDL	
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	5 mg/kg	
Tested Item(s)	Result 001	MDL	
Polybrominated Diphenyl Ethers (PBDEs)		I	
Monobromodiphenyl ether	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	5 mg/kg	
Hexabromodiphenyl ether	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	5 mg/kg	

Page 3 of 7



Report No. A2240219934101001

Test	Result(s)
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	Result	
Tested Item(s)	001	MDL
Phthalates (DBP, BBP, DEHP, DIBP)		
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg
Tested Item(s)	Result 001	MDL
Fluorine (F)	N.D.	10 mg/kg
Chlorine (Cl)	N.D.	10 mg/kg
Bromine (Br)	N.D.	10 mg/kg
Iodine (I)	N.D.	10 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Chip

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

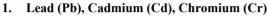
-MDL = Method Detection Limit -N.D. = Not Detected (<MDL) -mg/kg = ppm = parts per million Page 4 of 7

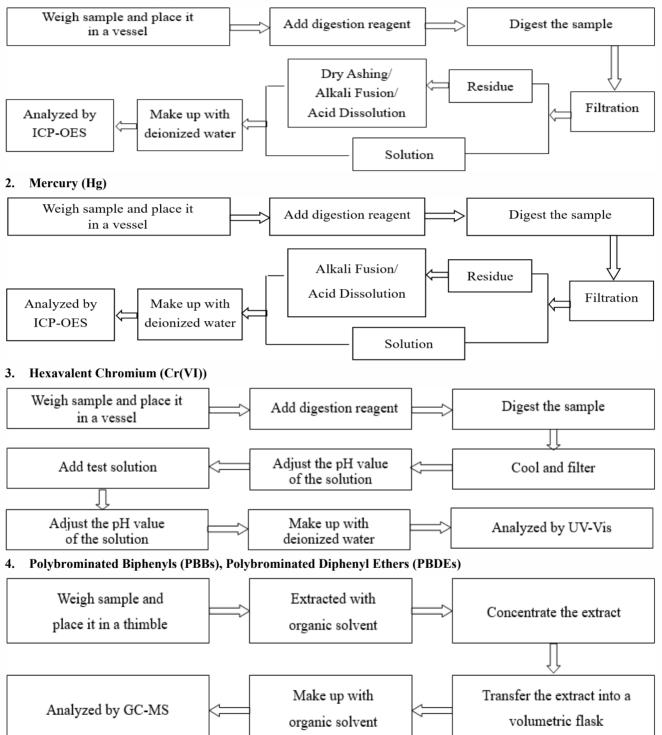
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Report No. A2240219934101001

Test Process

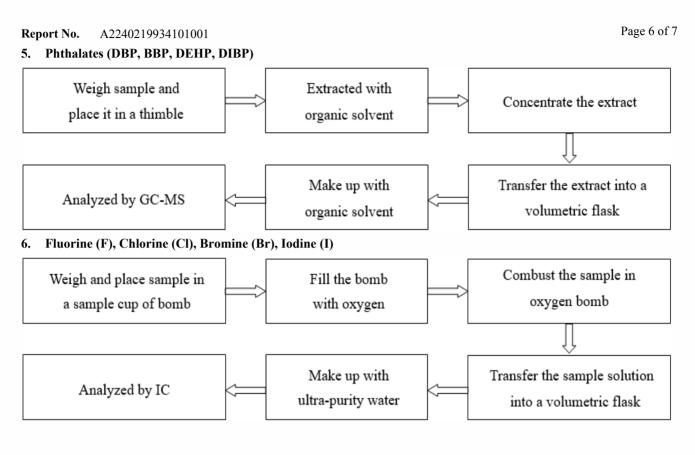




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Page 5 of 7

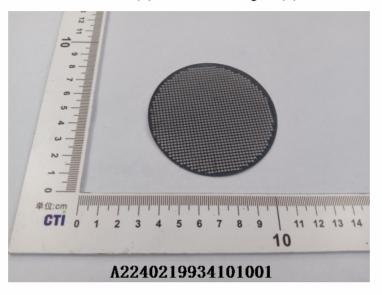






Report No. A2240219934101001

Photo(s) of the sample(s)



Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 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 / CNAS-GL015:2022;
- 5. Without written approval of CTI, this report can't be reproduced except in full;
- 6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

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Page 7 of 7