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Report No. A2250399870101001R1

Company Name shown on Report XIAMEN TONGFU MICROELECTRONICS CO., LTD.

Address

NO.89 NANHAI 2ND ROAD, HAICANG DISTRICT, XIAMEN CITY, FUJIAN

PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name Gold bump Sample Received Date Jun. 10, 2025

Jun. 10, 2025 to Jun. 20, 2025 **Testing Period**

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), Arsenic(As), Beryllium(Be),

Antimony(Sb), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Hexabromocyclododecane (HBCDD), Perfluorooctanoic Acid(PFOA),

Perfluorooctane Sulfonates(PFOS) in the submitted sample(s).

Test Method Please refer to the following page(s).

Please refer to the following page(s). Test Result(s)

entre Testing International Group Co.,Ltd. CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Hill Zheng

Technical Manager

Date

Jun. 25, 2025

No. R411771622



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Test Method

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 62321-12:2023	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS
Arsenic(As)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Beryllium(Be)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Antimony(Sb)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Fluorine (F)	EN 14582:2016	IC
Chlorine (Cl)	EN 14582:2016	IC
Bromine (Br)	EN 14582:2016	IC
Iodine (I)	EN 14582:2016	IC
Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
Perfluorooctanoic Acid(PFOA)	CEN/TS 15968:2010	LC-MS-MS
Perfluorooctane Sulfonates(PFOS)	CEN/TS 15968:2010	LC-MS-MS

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Tested Item(s)	Result 001	MIN
		MDL
Lead (Pb)	N.D.	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	MDL
	001	MIDL
Polybrominated Biphenyls (PBBs)		
Monobromobiphenyl	N.D.	25 mg/kg
Dibromobiphenyl	N.D.	25 mg/kg
Tribromobiphenyl	N.D.	25 mg/kg
Tetrabromobiphenyl	N.D.	25 mg/kg
Pentabromobiphenyl	N.D.	25 mg/kg
Hexabromobiphenyl	N.D.	25 mg/kg
Heptabromobiphenyl	N.D.	25 mg/kg
Octabromobiphenyl	N.D.	25 mg/kg
Nonabromobiphenyl	N.D.	25 mg/kg
Decabromobiphenyl	N.D.	25 mg/kg
Tested Item(s)	Result	MDI
Tested Item(s)	001	MDL
Polybrominated Diphenyl Ethers (PBDEs)		
Monobromodiphenyl ether	N.D.	25 mg/kg
Dibromodiphenyl ether	N.D.	25 mg/kg
Tribromodiphenyl ether	N.D.	25 mg/kg
Tetrabromodiphenyl ether	N.D.	25 mg/kg
Pentabromodiphenyl ether	N.D.	25 mg/kg
Hexabromodiphenyl ether	N.D.	25 mg/kg
Heptabromodiphenyl ether	N.D.	25 mg/kg
Octabromodiphenyl ether	N.D.	25 mg/kg
Nonabromodiphenyl ether	N.D.	25 mg/kg
Decabromodiphenyl ether	N.D.	25 mg/kg



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T. () I. ()	Result 001	
Tested Item(s)		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
Tooted Item(s)	Result) my
Tested Item(s)	001	MDL
Arsenic (As)	N.D.	10 mg/kg
Beryllium (Be)	N.D.	2 mg/kg
Antimony (Sb)	N.D.	5 mg/kg
Tested Item(s)	Result	MDL
Tested Item(s)	001	MIDL
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
Tested Item(s)	Result	MDL
Tested Item(s)	001	MIDL
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg
Tested Item(s)	Result	MDI
Tested Item(s)	001	MDL
Perfluorooctanoic Acid (PFOA)	N.D.	0.010 mg/kg
Tested Item(s)	Result	MDI
Tested Item(s)	001	MDL
Perfluorooctane Sulfonates (PFOS)	N.D.	0.010 mg/kg



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Sample/Part Description

No. CTI Sample ID Description

Wafer(Tested as a whole)

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

Antimony.

-The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of

any homogeneous material.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

Note: This testing report revised "Sample Name" based on the original report of

No. A2250399870101001. This testing report displaces the original one which

was invalid since the date of this testing report released.

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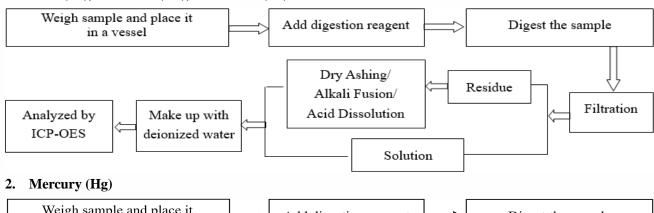


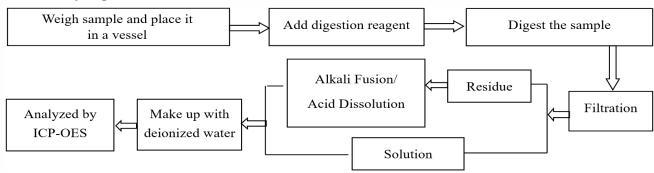
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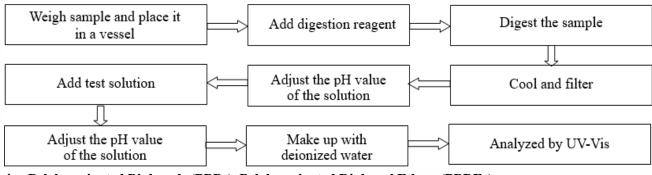
Test Process

1. Lead (Pb), Cadmium (Cd), Chromium (Cr)

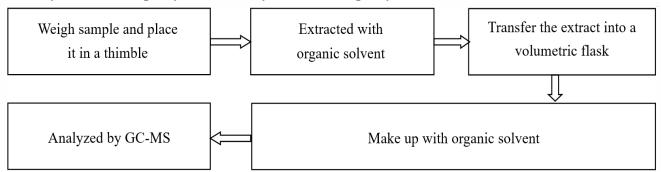




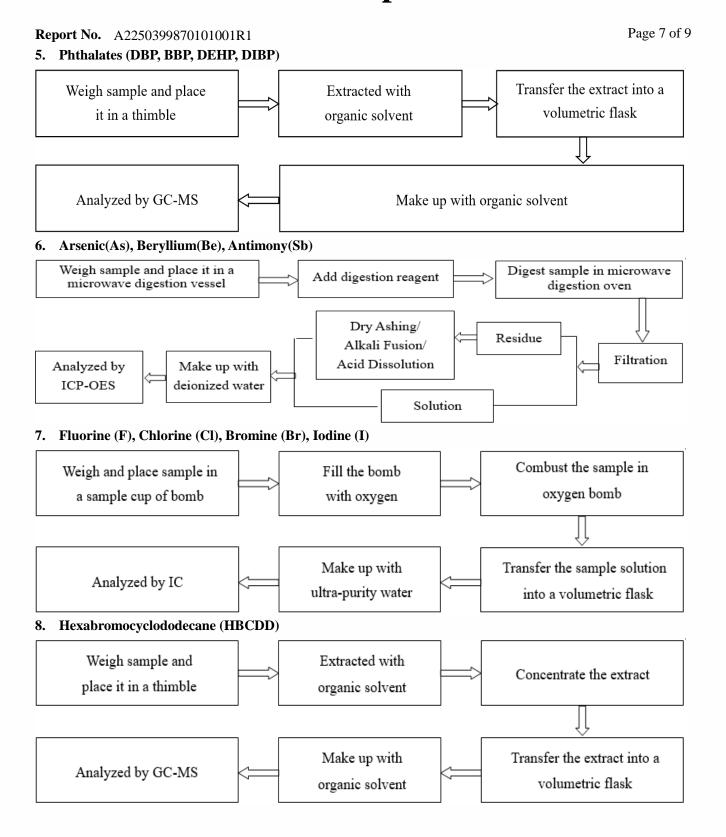
3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)







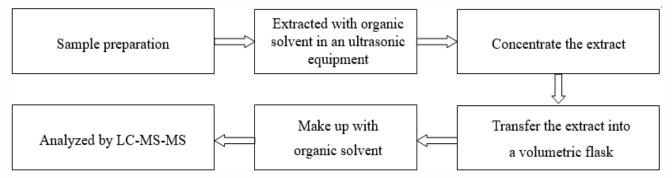




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9. Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS)

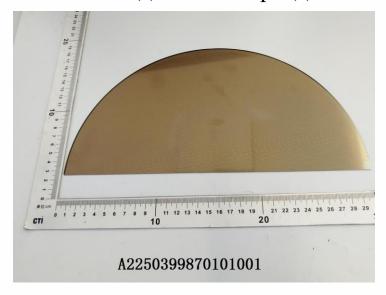




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Photo(s) of the sample(s)



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;
- 4. 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 ***