



Test Report

Report No. A2260123613201002

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Company Name YANGZHOU J&V SEMICONDUCTOR CO. LTD

shown on Report

Address NO.26, MID PIONEER PARK ROAD,HAN JIANG DISTRICT ,YANGZHOU

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

Sample Name High Voltage Module Chip(AL)
Sample Received Date Feb. 13, 2026
Testing Period Feb. 13, 2026 to Feb. 27, 2026

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates, Hexabromocyclododecane (HBCDD), Middle Chain Chlorinated Paraffins (MCCPs), Tetrabromobisphenol A (TBBP-A), Arsenic(As), Beryllium(Be), Antimony(Sb), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS) in the submitted sample(s).

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

Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.



Chen Kaimin

Chen kaimin
Lab Manager

Date Feb. 27, 2026

No. R295821560

Pinbiao(Shanghai) Co., Ltd.

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

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Test Method

Tested 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
Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
Middle Chain Chlorinated Paraffins (MCCPs)	Refer to US EPA 3550C:2007 & US EPA 8270E:2018*	GC-MS(NCI) or GC-MS/MS
Tetrabromobisphenol A (TBBP-A)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS/LC-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
Perfluorooctanoic Acid(PFOA)	Refer to EN 17681-1:2025*	LC-MS-MS
Perfluorooctane Sulfonates(PFOS)	Refer to EN 17681-1:2025*	LC-MS-MS
Phthalates	Refer to EN 14372:2004(E)*	GC-MS

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	002		
Lead (Pb)	31078 mg/kg* ¹	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

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Tested Item(s)	Result	MDL	Limit
	002		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	25 mg/kg	1000 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	MDL	Limit
	002		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	25 mg/kg	1000 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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Tested Item(s)	Result	MDL	Limit
	002		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL
	002	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	002	
Middle Chain Chlorinated Paraffins (MCCPs)	N.D.	100 mg/kg

Tested Item(s)	Result	MDL
	002	
Tetrabromobisphenol A (TBBP-A)	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
	002	
Arsenic (As)	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
	002	
Beryllium (Be)	N.D.	10 mg/kg

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Tested Item(s)	Result	MDL
	002	
Antimony (Sb)	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
	002	
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
	002	
Perfluorooctanoic Acid (PFOA)	N.D.	0.01 mg/kg

Tested Item(s)	Result	MDL
	002	
Perfluorooctane Sulfonates (PFOS)	N.D.	0.01 mg/kg

Tested Item(s)	Result	MDL
	002	
Phthalates		
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0, 68515-48-0	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0, 68515-49-1	N.D.	50 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	50 mg/kg

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Sample/Part Description

No.	CTI Sample ID	Description
1	002	Chip

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

*¹=According to the client's statement, the material of the sample(s) fall into exemption items 7(c)-I according to EU Directive 2011/65/EU:Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

Note: "*" indicates the method(s) is (are) not in CNAS accreditation scope.

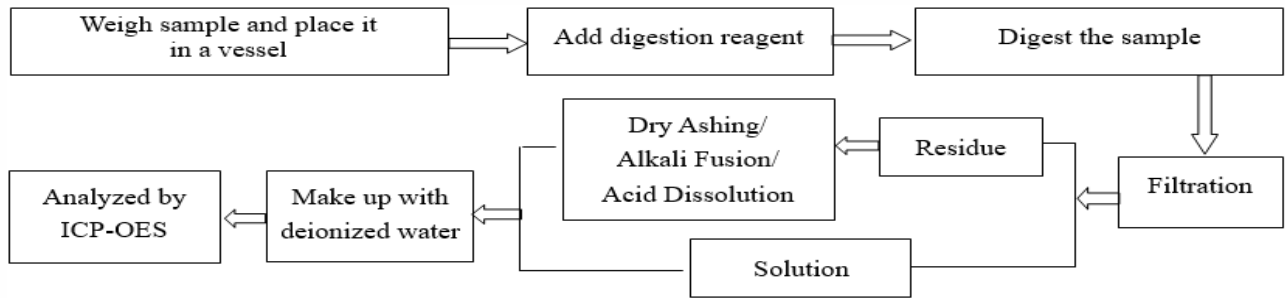
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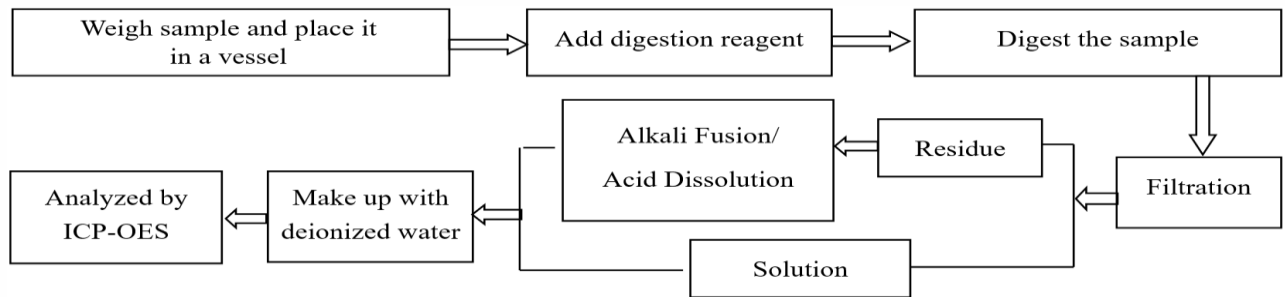
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Test Process

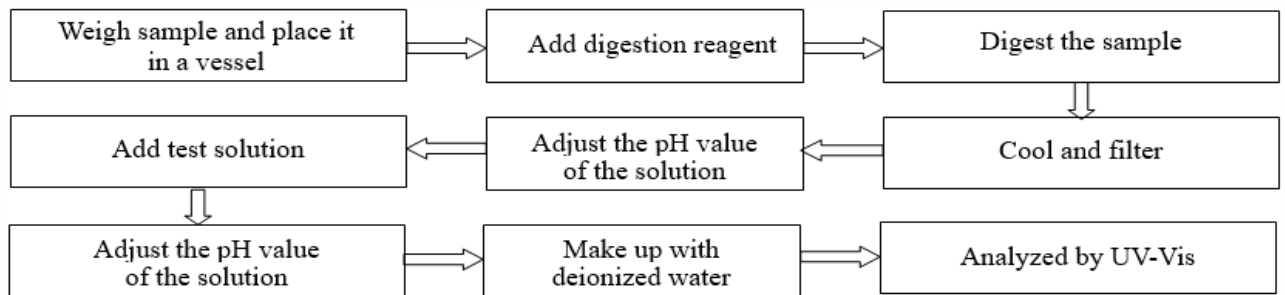
1. Lead (Pb), Cadmium (Cd), Chromium(Cr)



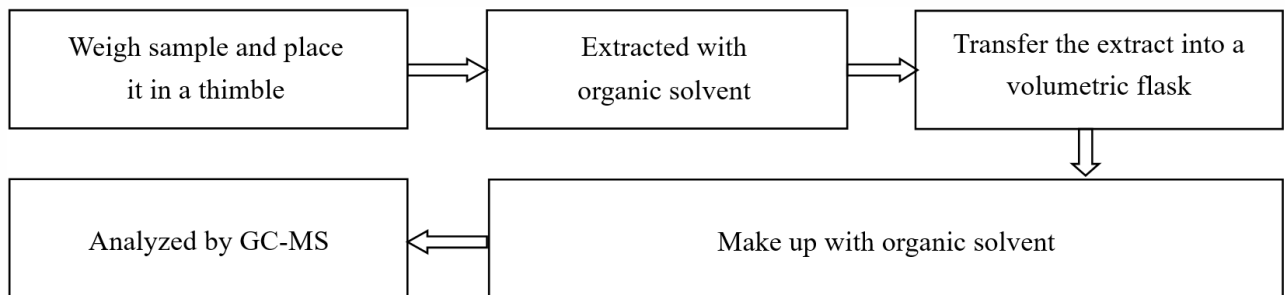
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



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

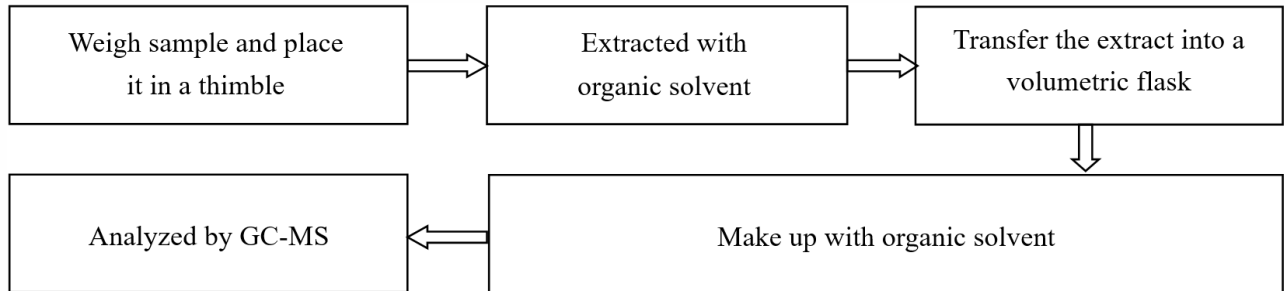


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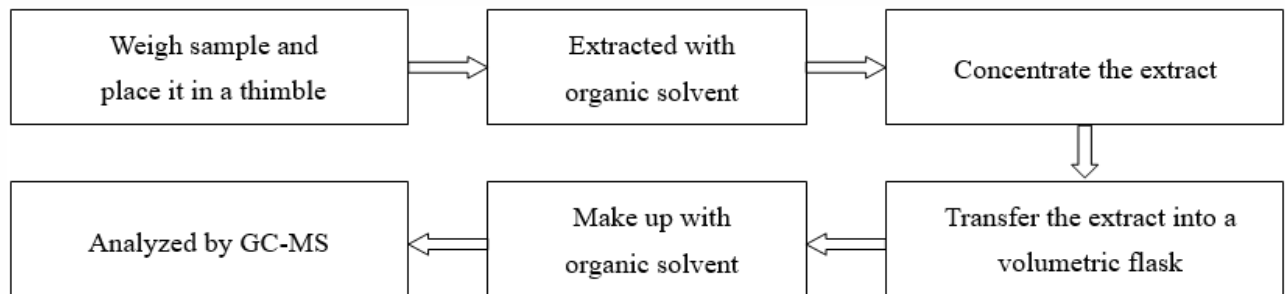
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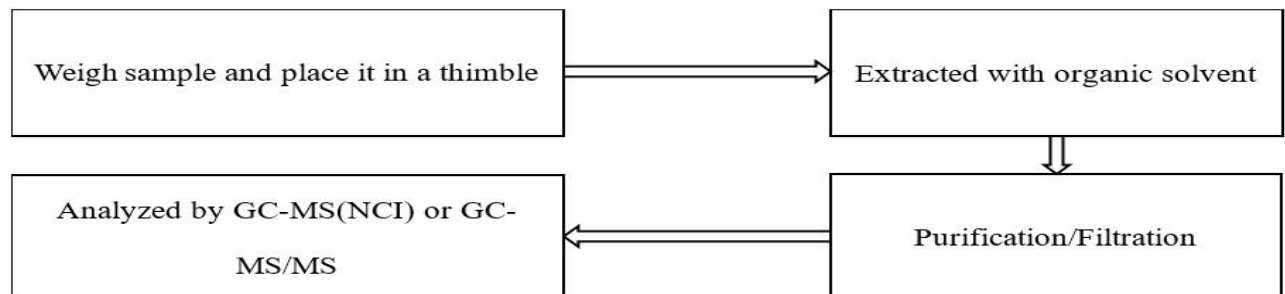
5. Phthalates (DBP, BBP, DEHP, DIBP)



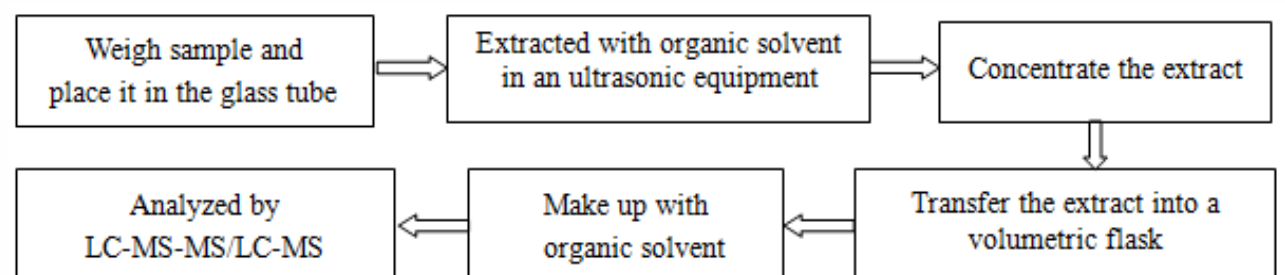
6. Hexabromocyclododecane (HBCDD)



7. Middle Chain Chlorinated Paraffins (MCCPs)



8. Tetrabromobisphenol A (TBBP-A)

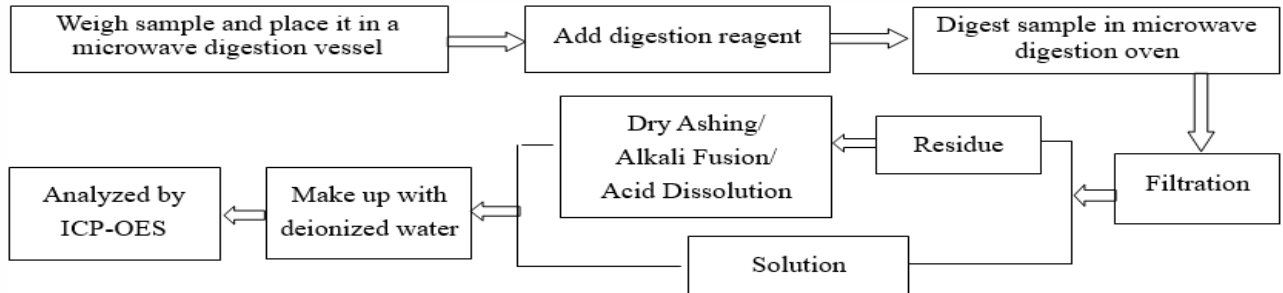


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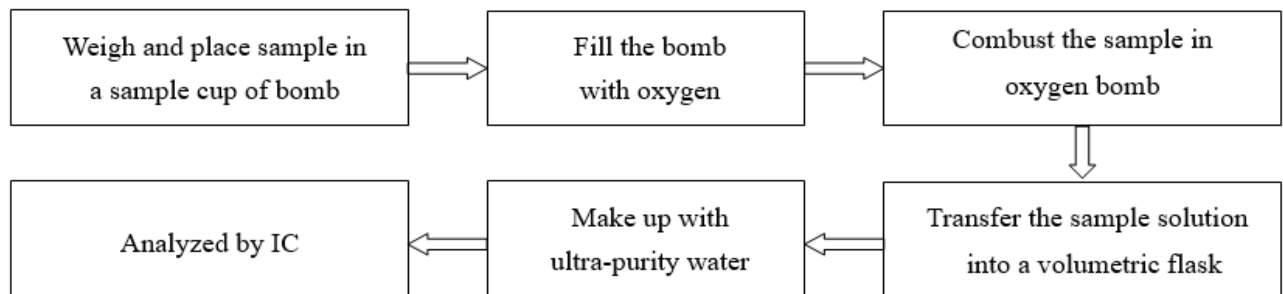
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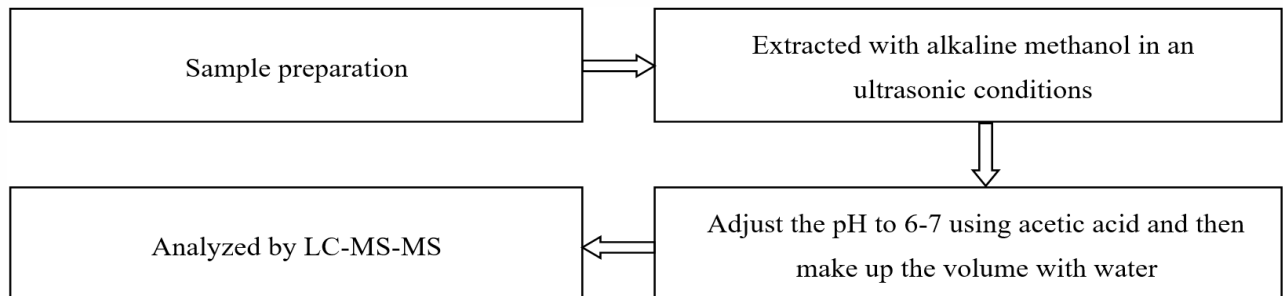
9. Arsenic(As), Beryllium(Be), Antimony(Sb)



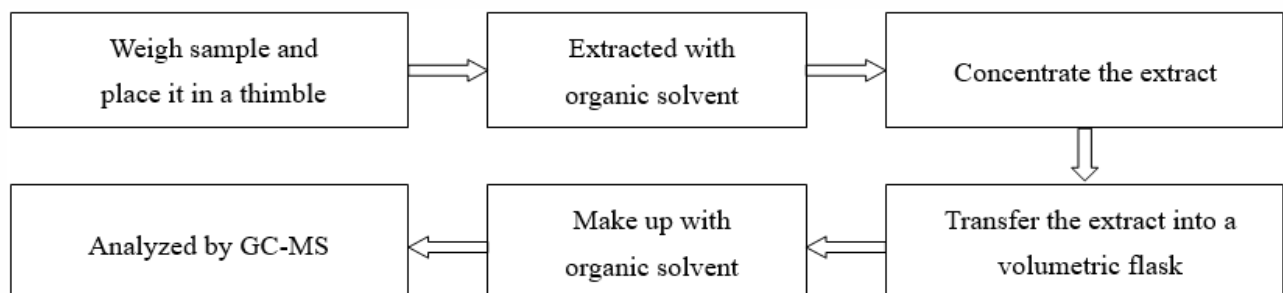
10. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



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



12. Phthalates

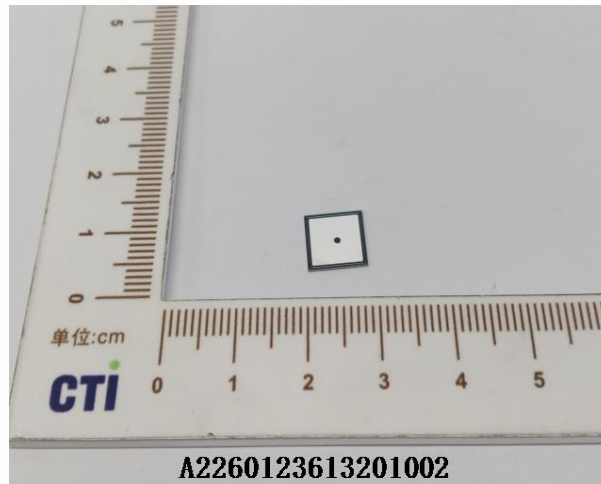


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Photo(s) of the sample(s)



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 reports (if generated), the Chinese version shall prevail.

*** End of Report ***