Test Report

Report No. A2260744804104001R1

Company Name shown on Report	CHANGZHOU STAR SEA ELECTRONICS CO.,LTD
Address	1 TIANMUHU ROAD, CHANGZHOU, JIANGSU, CHINA

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

Sample Name	Soldering Package Devices
Sample Received Date	Aug. 26, 2026
Testing Period	Aug. 26, 2026 to Aug. 29, 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 (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

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Conclusion

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

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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.

Approved by: Chen kaimin

Chen kaimin
Lab Manager

Date: Sep. 2, 2026

No. R794241881

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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 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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Test Result(s)

Tested Item(s)	Result	MDL	Limit
	001		
Lead (Pb)	17861 mg/kg*	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

Tested Item(s)	Result	MDL	Limit
	001		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	1000 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	MDL	Limit
	001		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	5 mg/kg	1000 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	

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Test Result(s)

Tested Item(s)	Result	MDL	Limit
	001		
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

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Electronic components(Tested as a whole)

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-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.
-*=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; According to the client's statement, lead mainly comes from the high melting temperature type solders. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) is exempted from the restriction, with reference to EU Directive 2011/65/EU annex III Exemption Applications 7(a).

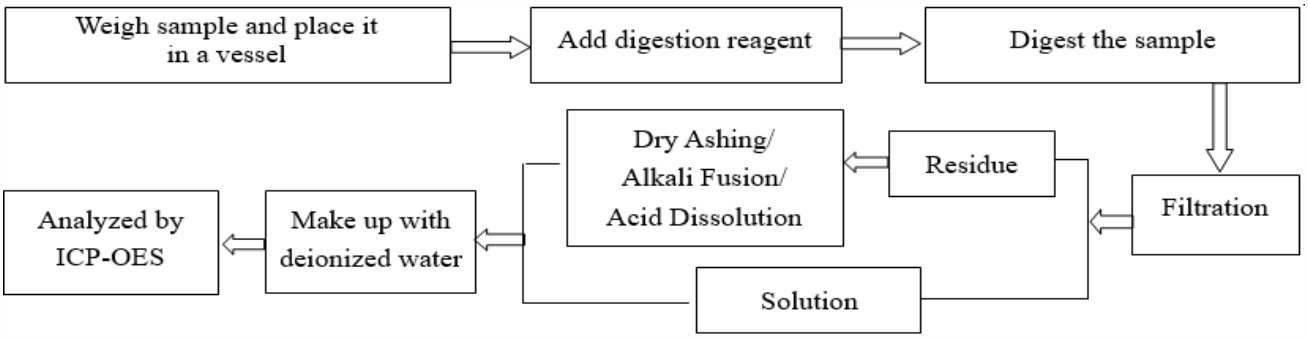
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

Note: **This testing report revised "Company Name shown on Report/Address/Remark" based on the original report of No. A2260744804104001.This testing report displaces the original one which was invalid since the date of this testing report released.**

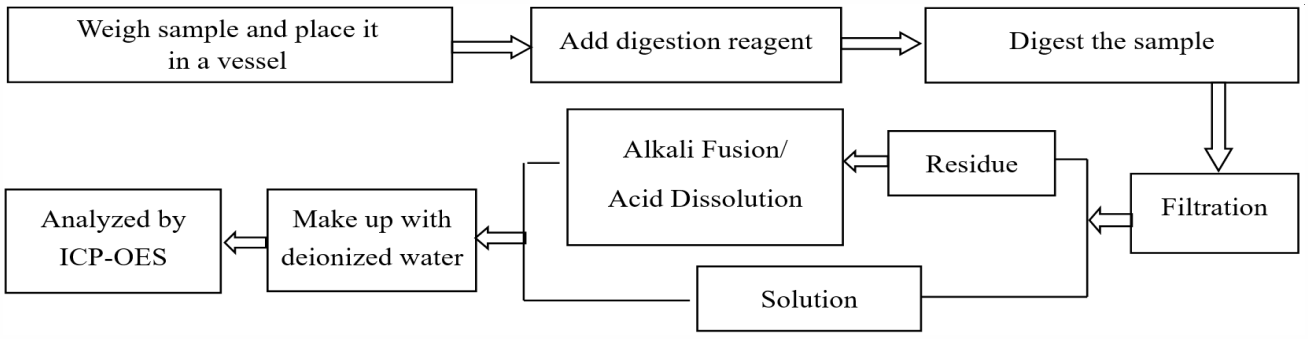
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Test Process

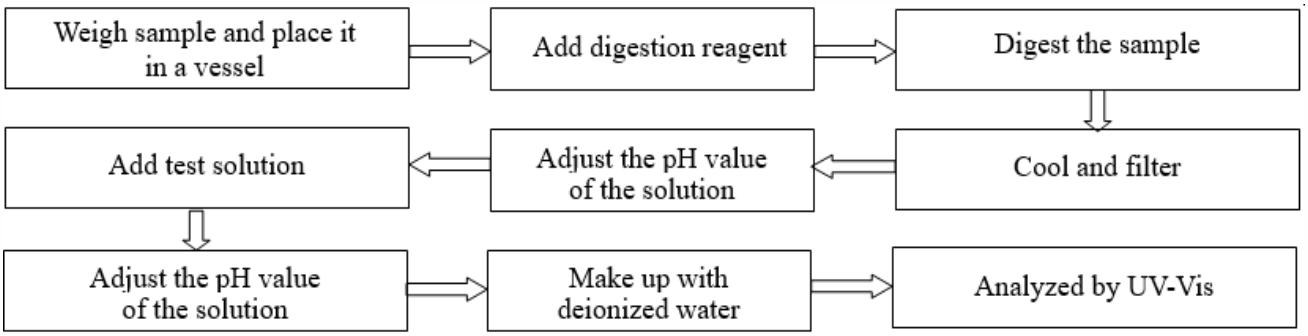
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



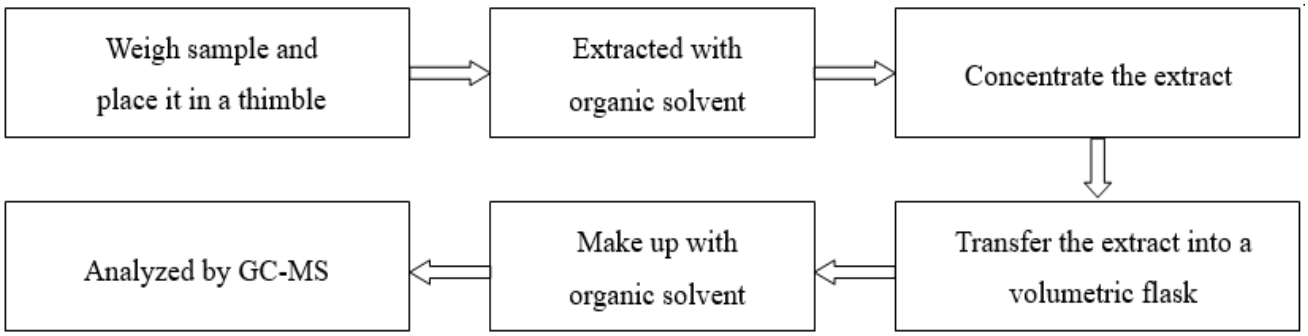
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))

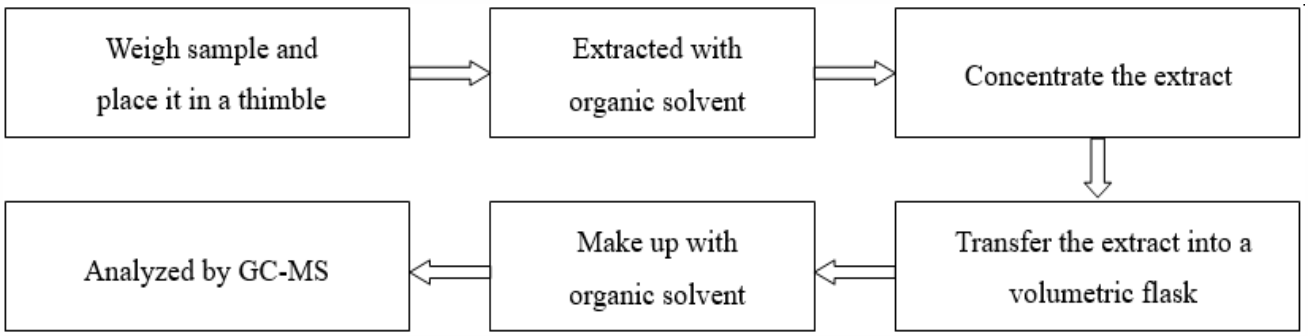


4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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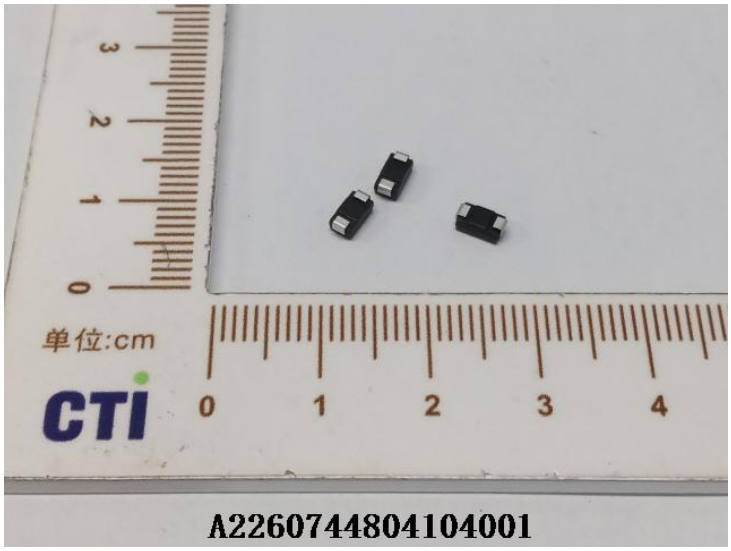
5. Phthalates (DBP, BBP, DEHP, DIBP)



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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 ***

Appendix

Client Reference Information

R-1、A-405、DO-41、DO-15、DO-15L、DO-201AD、DO-201AE、R-6、SMA-W、SMB-W、YJ-41、
ABS、MBS、MBLS、DBS、 DBL、DBLS 、YBS2、YBS2G、YBS3、YBS3M、YBS3mini、YBS6、D3K、
GBP、GBU、GBU-L、2KBJ、4KBJ、6KBJ、4KBJ-L、6KBJ-L、JA、JB、JC、PB、PB-A , DB 、ST
KBP、KBU、KBL、TSB、TSB-5、GBPC(W)、GBPC、KBPC1、BR-W、BR、KBPC-W、KBPC25/35/50、KBPC1、
KBPC6、KBPC8、BR-L、SKBPC、MT35-A、MDS35、S50VB-DT、RS2、SBR25、M130、M140、MT、MT-B、
MT-M、PTVS、S25VB、S35VB、KPNR、KWKF、34G00、48H00、 TO-220AB、TO-220AC、ITO-220AB、
ITO-220AC、P5TVS、CELL、MT-W、 SKBPC75、MT-B、M160
SMA、SMB、SMAF、SMBF、SMC、SOD123FL、SOD123HE 、SOD323FL、SOD323HE、SMG、SME、TO-277、
DO-218、SOD-323S
TO-220 、TO-220F、TO-251S、 TO-92、TO-263、TO-263L、TO-263-6L、TO-252、TO-220AB、TO-220AC、
ITO-220AB、ITO-220AC、TO-247、TO-247AB、TO-247AD、TO-247AC、TO-247Plus、TO-247-4L、TO-247-2L、
TOLL、PDFN5060、PDFN5060-8L、PDFN5060-Clip、STO-220、LFPAK 56D、56E、56W、PDFN3333
LL-34、DO-35、DO-41、LL-41、DO-34
SOT-223、SOT-89
R6/GF019/GF020/GF021 /GF023/GF025/GF022/GF030K/GF040/GF040C/GF040H/GFS/GF009/GF030U/GF030D/
GF030M/GF030T/GF030H/GF030R/GF030A/GF030S

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2260744804104001R1.