



# Test Report

Report No. A2260158570102003R1

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Company Name YANGZHOU YANGJIE ELECTRONIC TECHNOLOGY CO., LTD.  
shown on Report

Address NO.6 WEST HEYE ROAD, HANJIANG DISTRICT, YANGZHOU, JIANGSU,  
CHINA

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

Sample Name Automotive Products - Keying

Sample Received Date Mar. 6, 2026

Testing Period Mar. 6, 2026 to Mar. 10, 2026

Test requested According to GB/T 30512-2014 and as specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s).

Test method Please see the following pages.

Test result Please see the following pages.

### Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	GB/T 30512-2014	PASS



Approved by

*Chen Lijuan*

Date

Mar. 25, 2026

Chen Lijuan

Lab Authorized Signatory

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

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

No. R794241179

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## Test Method

1. According to the customer request, toxic and harmful substances content in the sample analysis by XRF, according to the screening of limited elements QC/T 941-2013, QC/T 942-2013, QC/T 943-2013, QC/T 944-2013 various substrates in the limit values shown in the table below (unit: mg/kg)

Element	Polymeric materials	Metal	Other materials
Lead(Pb)	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (500-3S) < X < (1500+3S) \leq F$
Cadmium(Cd)	$P \leq (70-3S) < X < (130+3S) \leq F$	$P \leq (70-3S) < X < (130+3S) \leq F$	$LOD < X < (150+3S) \leq F$
Mercury(Hg)	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (500-3S) < X < (1500+3S) \leq F$

Element	Polymeric materials	Other materials
Chromium(Cr)	$P \leq (700-3S) < X$	$P \leq (500-3S) < X$

Element	Polymeric materials	Electronic materials
Bromine(Br)	$P \leq (300-3S) < X$	$P \leq (250-3S) < X$

## Remark:

P = Below limit

X = Marks the region where further investigation is necessary.

F = Over limit

S = Standard deviation of the determination results.

LOD = Limit of detection

XRF Limit of detection: Metal 50 mg/kg, Other materials 50 mg/kg, Polymeric materials 10 mg/kg,

Electronic materials 50 mg/kg.

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2. If XRF screening result is in the region of X, chemical test is used to determine the hazardous substances.

Tested Item	Test Method	Measured Equipment	MDL
Lead (Pb)	QC/T 943-2013	ICP-OES	2 mg/kg
Cadmium (Cd)	QC/T 943-2013	ICP-OES	2 mg/kg
Mercury (Hg)	QC/T 941-2013	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	QC/T 942-2013	UV-Vis	2 mg/kg
Polybrominated Biphenyls (PBBs)	QC/T 944-2013	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	QC/T 944-2013	GC-MS	5 mg/kg

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## Test Result(s)

No.	CTI Sample ID	Sample Description	Restricted Substances	Results of XRF Screen (mg/kg)	Results of Chemical Test (mg/kg)
1	003	Electronic components(Tested as a whole)	Pb	N.D.	-
			Cd	N.D.	-
			Hg	N.D.	-
			Cr(Cr(VI))	N.D.	-
			Br(PBBs&PBDEs)	N.D.	-

**Remark:** -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

-1000mg/kg = 0.1%

-- =Not tested or not applicable

-It is the result on total Chromium by XRF while the restricted substance is Hexavalent Chromium.

-It is the result on total Brome by XRF while the restricted substances are Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs).

- PASS = The hazardous substances content in the submitted sample are less than the requirement limits with the GB/T 30512-2014.

- FAIL =One or more than one hazardous substance content in the submitted sample is over the requirement limit with the GB/T 30512-2014.

**Note:** This testing report revised "Appendix" based on the original report of No.

A2260158570102003.This testing report displaces the original one which was invalid since the date of this testing report released.

### GB/T 30512-2014 The limit of prohibit substance

Pb ≤ 1000mg/kg

Cr(VI) ≤ 1000mg/kg

Hg ≤ 1000mg/kg

Cd ≤ 100mg/kg

PBBs ≤ 1000mg/kg

PBDEs ≤ 1000mg/kg

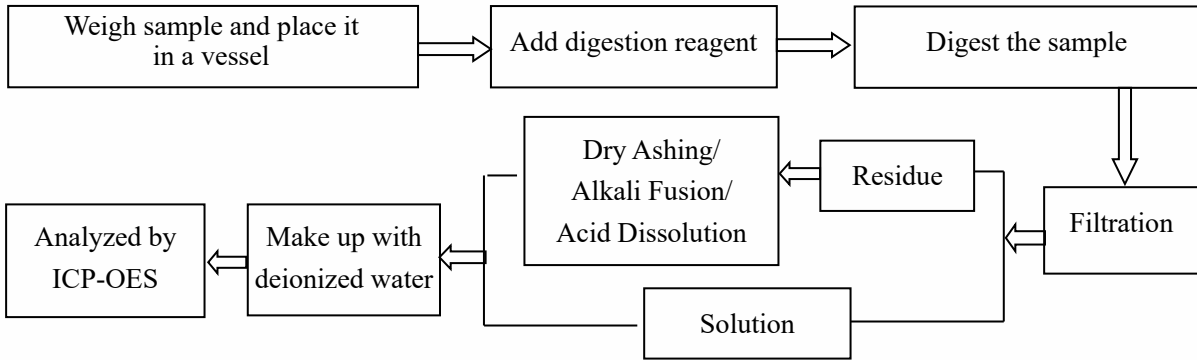
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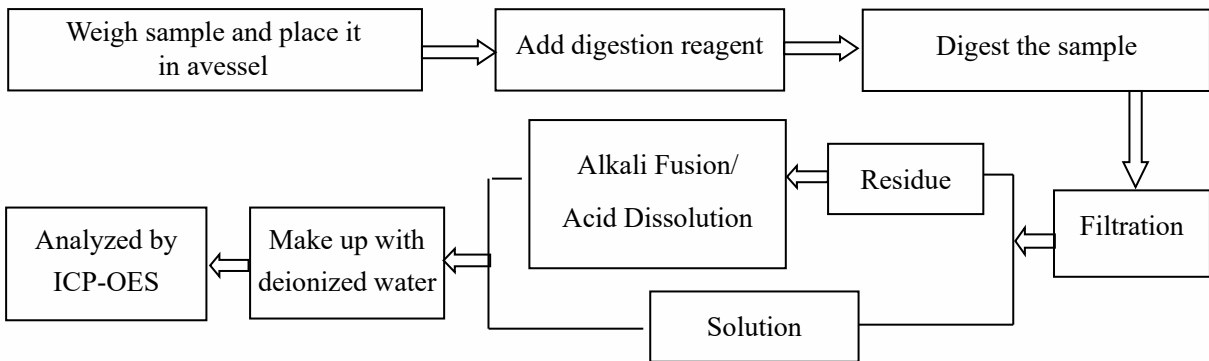
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**Test Process**

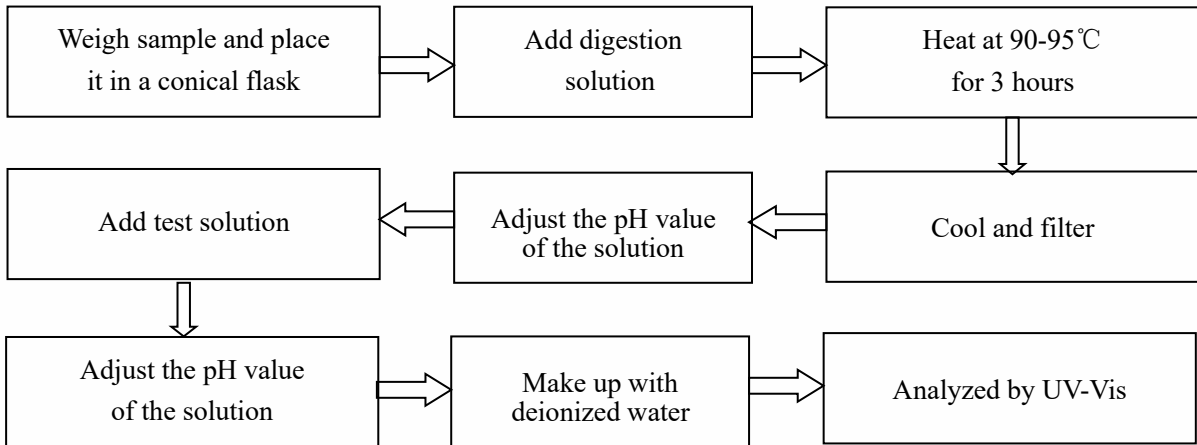
**1. Lead (Pb)/ Cadmium (Cd)**



**2. Mercury (Hg)**



**3. Hexavalent Chromium (Cr(VI))**

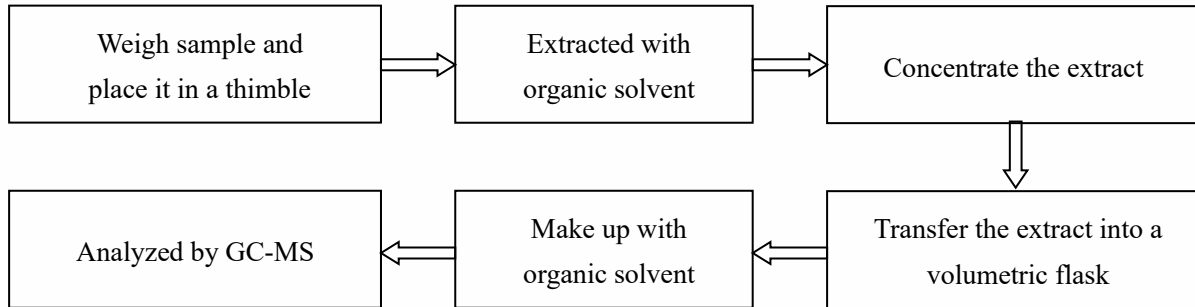


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## 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

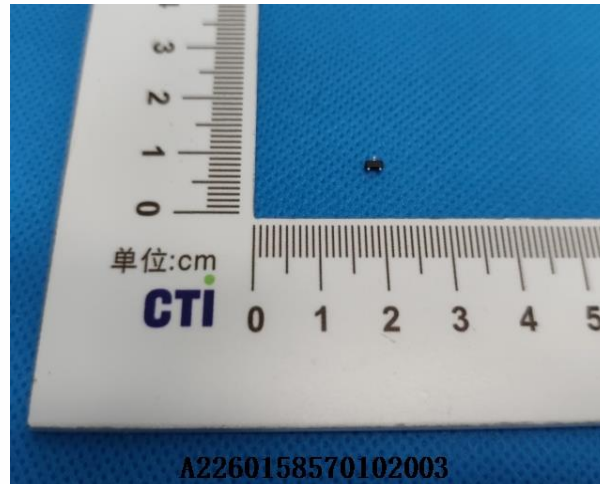


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## Photo(s) of the sample(s)



### 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. Without written approval of CTI, this report can't be reproduced except in full;
5. 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.
6. In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

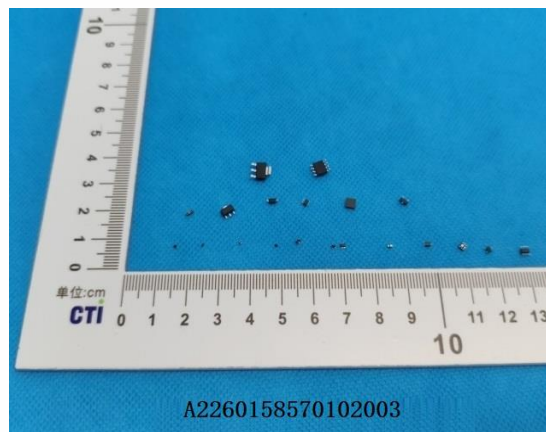
\*\*\* End of Report \*\*\*

## Appendix

### Client Reference Information

CTI Sample ID	Client Reference Information
003	DFN1006 DFN1006-3L DFN1608 DFN2020、 DFN2510 DFN3333 SOD-123 SOD-323 SOD-523 SOP-8 SOT-223 SOT-23 SOT-23-6L SOT-323 SOT-363 SOT-52 SOT-563 SOT-89 , DFN1006 SOT-723

### Client Reference Photo(Non-tested sample)



### 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 A2260158570102003R1.