检测报告
Test Report

报告编号 A2250652986102001E
Report No. A2250652986102001E

报告抬头公司名称 Company Name shown on Report	江苏晟驰微电子有限公司 JIANGSU SEMICON CHAMPION MICROELECTRONICS CO,.LTD
地 址 Address	江苏省海安市经济开发区康华路 55 号 NO. 55 KANGHUA ROAD,HAI'AN ECONOMIC DEVELOPMENT AREA, JIANGSU PROVINCE

以下测试之样品及样品信息由申请者提供并确认
The following sample(s)and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 Sample Name	二极管成品Finished diode
样品型号 Model No.	TPSMA/SMA/TPSMB/SMB/TPSMC/SMC/TPSMD/SMD/SM8S/TPSMF/SOD-123/SOD-123FL/SOD-323/SMAF/SMBF/DO-15/DO-41/DO-27/R6/SMTO-218
样品接收日期 Sample Received Date	2025.09.04 Sep. 4, 2025
样品检测日期 Testing Period	2025.09.04-2025.09.06 Sep. 4, 2025 to Sep. 6, 2025
检测要求 Test requested	见续页 Please see the following pages.
检测依据 Test Method	见续页 Please see the following pages.
检测结果 Test result	见续页 Please see the following pages.

结论 Conclusion

测试样品 Tested Sample	依据标准/指令 According to standard/directive	结果 Result
提交样品 Submitted Sample	2000/53/EC	符合 PASS

符合表示检测结果满足欧盟指令2000/53/EC要求的限值。PASS means that the results shown on the report comply with the limits set by ELV Directive 2000/53/EC.

批 准 Approved by: 陈凯敏 实验室经理 Lab Manager

日 期 Date: 2025.09.08

No. R794241500

上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.
上海市闵行区万芳路 1351 号
No.1351, Wanfang Road, Minhang District, Shanghai, China

检测报告
Test Report

检测要求	根据欧盟指令 2000/53/EC*及客户的要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)进行测试。 *欧盟指令 2000/53/EC 即 ELV 指令，该指令对汽车所使用的部件和材料中特定有毒有害物质铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))限制使用。
Test Requested	According to ELV Directive 2000/53/EC* and customer request, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s). *2000/53/EC is the End-of-Life Vehicle Directive (ELV), which focuses on restriction of the use of certain hazardous substances (Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI))) in the materials and components of vehicles.

检测报告
Test Report

检测依据 Test Method

测试项目 Tested Item	**测试方法 Test Method**	**测试仪器 Measured Equipment**	**方法检出限 MDL**（mg/kg）
XRF 筛选 XRF	IEC62321-3-1:2013	XRF	聚合物材料 Polymers:10 其它 Others:50
铅(Pb) Lead (Pb)	IEC 62321-5:2013	ICP-OES	2
镉(Cd) Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2
汞(Hg) Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES	2
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 和/或 IEC 62321-5:2013 测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ ICP-OES	8
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-12:2023	GC-MS	25
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS	25

检测报告
Test Report

检测结果 Test Result(s)

序号 No.	CTI 样品 ID CTI Sample ID	样品描述 Sample Description	测试项目 Restricted Substances	XRF 扫描结果 Results of XRF Screen (mg/kg)	化学测试结果 Results of Chemical Test (mg/kg)
1	001	电子元器件（整体测试） Electronic components(Tested as a whole)	Pb	△7.9×10³	34302#
			Cd	N.D.	-
			Hg	N.D.	-
			Cr(Cr(VI))	N.D.	-
			Br(PBBs&PBDEs)	N.D.	-

备注: -按照目前手段，样品无法进一步拆分，样品整体测试，测试结果不代表整体测试样品中任何一种单一材质的含量。

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. = 未检出 (小于方法检出限)
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = 百万分之一
-mg/kg = ppm = parts per million
-1000mg/kg = 0.1%
-- = 未测试或不适用
-- = Not tested or not applicable

检测报告
Test Report

-△= XRF 结果超过 XRF 筛选限值，检测结果见化学测试。
-△= The test result is over the XRF screening limit, please see the chemistry test result.
-#=根据客户声明,样品涉及欧盟ELV指令2000/53/EC附件II最新修订指令（EU）2020/363豁免项第8(e)条：含铅高熔点焊料（也就是铅合金含铅量大于等于 85%）。
According to the client's statement, the samples are related to the latest revision of Annex II of EU ELV Directive 2000 / 53 / EC Article 8(e) of exemption (EU) 2020 / 363: Lead in high melting temperature types olders (i.e. lead-based alloys containing 85% by weight or more lead).
根据客户声明,样品涉及欧盟ELV指令2000/53/EC附件II最新修订指令（EU）2020/363豁免项第10(a)条：由含铅的玻璃材料、陶瓷材料或玻璃陶瓷基复合材料或微晶玻璃材料或微晶玻璃基复合材料所制成的电子电气设备。以下含铅的物质不在豁免范围内：
— 灯泡的玻璃和火花塞的釉面
— 以下 10(b),10(c) and 10(d)所列出的介电陶瓷材料的零部件。
According to the client's statement, the samples are related to the latest revision of Annex II of EU ELV Directive 2000 / 53 / EC Article 10(a) of exemption (EU) 2020 / 363: Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in:
— glass in bulbs and glaze of spark plugs,
— dielectric ceramic materials of components listed under 10(b),10(c) and 10(d).
-XRF 扫描给出的是总铬结果而限用物质是六价铬。
It is the result on total Chromium by XRF while the restricted substance is Hexavalent Chromium.
-XRF 扫描给出的是总溴结果而限用物质是多溴联苯和多溴二苯醚。
It is the result on total Brome by XRF while the restricted substances are Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs).
-根据客户声明，本报告“样品信息”中的多信息原因可能包含(但不限于):供给不同客户、销往不同的国家或地区、曾用名或多种物质的混合物等情况。
-According to the client's statement, the reasons for the multiple information in the "sample information" of this report may include (but are not limited to): supplying to different buyers, being sold to different countries or regions, former names, or mixtures of several substances.

检测报告
Test Report

2000/53/EC 禁用物质的限值

2000/53/EC The limit of prohibit substance

铅 Pb≤1000mg/kg

六价铬 Cr(VI) ≤1000mg/kg

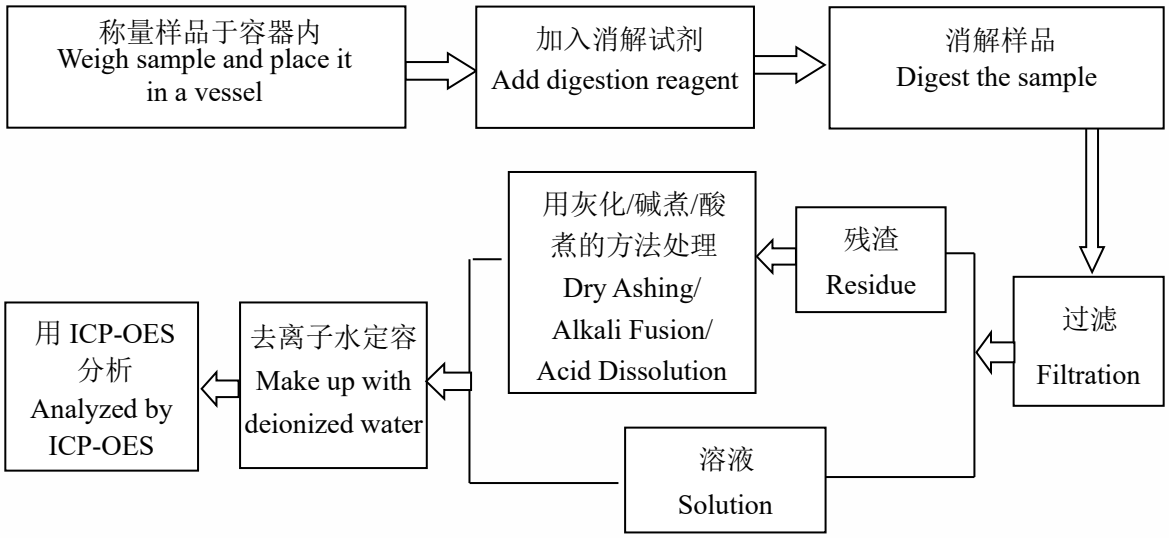
汞 Hg≤1000mg/kg

镉 Cd≤100mg/kg

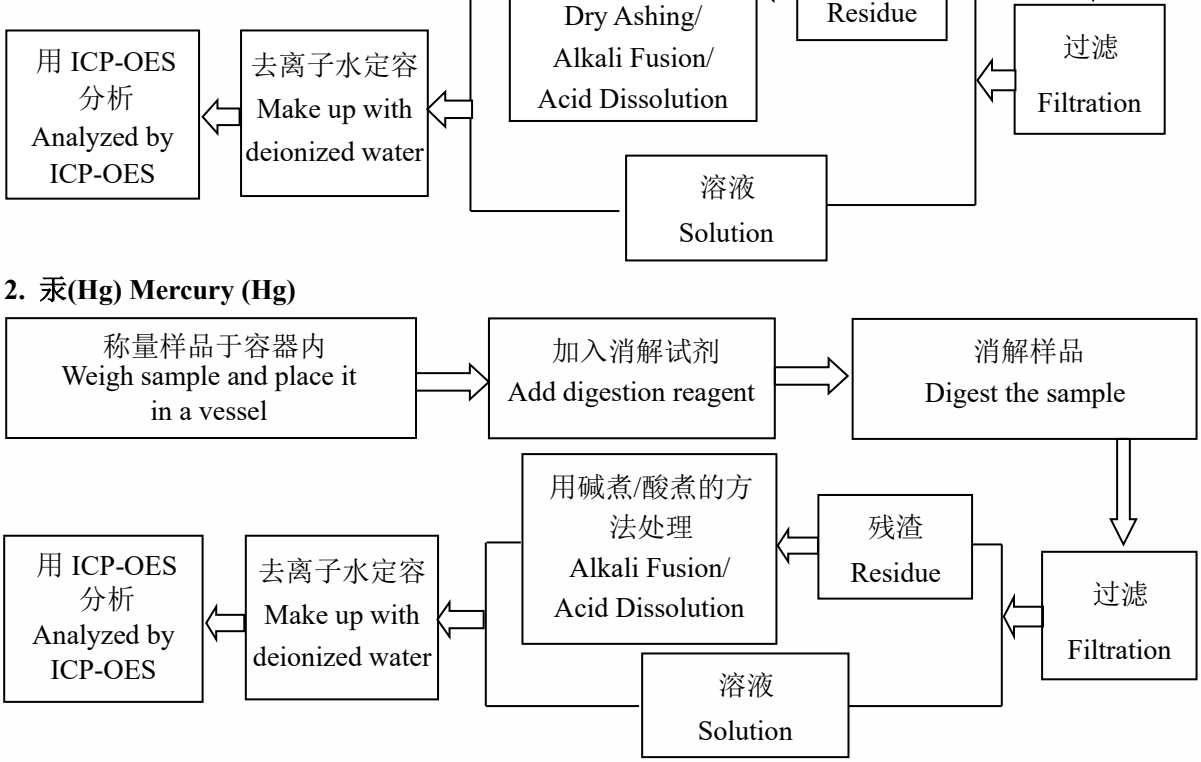
检测报告
Test Report

检测流程 Test Process

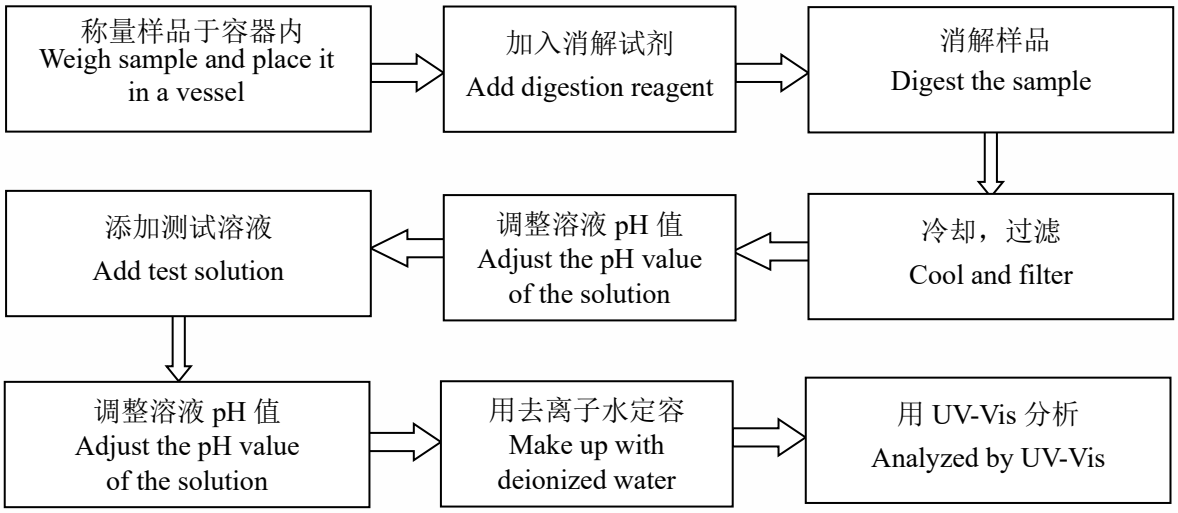
1. 铅(Pb)，镉(Cd)，铬(Cr) Lead(Pb), Cadmium(Cd), Chromium(Cr)



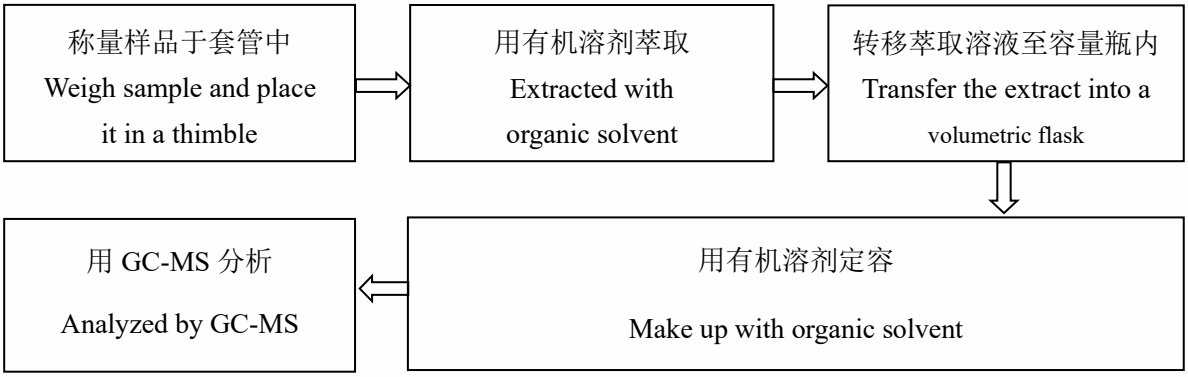
2. 汞(Hg) Mercury (Hg)



3. 六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))

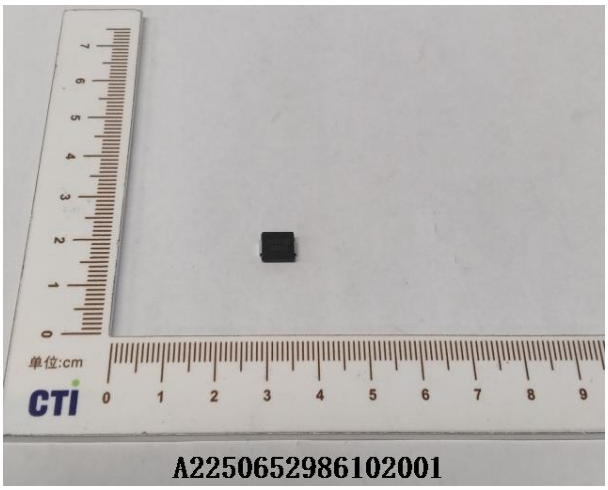


4. 多溴联苯(PBBs)，多溴二苯醚(PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



检测报告
Test Report

样品图片
Photo(s) of the sample(s)



检测报告
Test Report

声明 Statement:

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   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. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明，报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受（w=0）二元判定规则进行符合性判定。
   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. 未经 CTI 书面同意，不得部分复制本报告。
   Without written approval of CTI, this report can’t be reproduced except in full;
6. 如报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
***End of report ***