



检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 1 页 共 32 页
Page 1 of 32

报告抬头公司名称 扬州升阳电子有限公司
Company Name YANGZHOU SHENGYANG ELECTRONICS CO.,LTD.
shown on Report
地 址 高邮市北开发区长兴路
Address CHANGXING ROAD,NORTH DEVELOPMENT ZONE,GAOYOU CITY,JIANGSU PROVINCE,CHINA.

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 导电高分子型固态铝电解电容器
Sample Name Conductive polymer aluminum solid capacitors
样品接收日期 2025.06.07
Sample Received Date Jun. 7, 2025
样品检测日期 2025.06.07-2025.06.16
Testing Period Jun. 7, 2025 to Jun. 16, 2025

测试内容 Test Conducted:
根据客户的申请要求，具体要求详见下一页。
As requested by the applicant. For details refer to next page(s).




陈凯敏
实验室经理 Lab Manager

日 期 2025.06.17
Date

No. R794241836
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

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 2 页 共 32 页
Page 2 of 32

测试摘要 Executive Summary:

测试要求

TEST REQUEST

1. 欧盟法规(EC) No.1907/2006 (REACH)附录 17 及其修订案
Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with
Amendment(s)
 - 砷及其化合物
Arsenic and its compounds
 - 塑化材料中的邻苯二甲酸酯(盐)
Phthalates in plasticized materials
2. 美国环保署有毒物质控制法(TSCA)第 6(h)部分关于持久性、生物累积性和毒性
(PBT)化学物质的管控
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic
Substances Control Act (TSCA) Section 6(h)
 - 十溴二苯醚
Decabromodiphenyl Ether (DecaBDE)
 - 异丙基化磷酸三苯酯
Phenol, Isopropylated Phosphate (PIP (3:1))
 - 2,4,6-三叔丁基苯酚
2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)
 - 六氯丁二烯
Hexachlorobutadiene (HCBd)
 - 五氯苯硫酚
Pentachlorothiophenol (PCTP)
3. (1)欧盟 RoHS 指令 2011/65/EU 及其修订指令(EU)2015/863
RoHS Directive 2011/65/EU with amendment (EU) 2015/863
铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs),
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)
Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)),
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs),
Phthalates (DBP, BBP, DEHP, DIBP)
- (2)根据客户要求, 对所提交样品中的锑(Sb), 氟(F), 碘(I), 多环芳烃(PAHs), 六
溴环十二烷(HBCDD), 全氟辛酸(PFOA), 邻苯二甲酸酯, 红磷进行测试。

测试结果

CONCLUSION

见结果页
See test result(s)

符合
PASS

符合
PASS

符合

PASS

符合

PASS

符合

PASS

符合

PASS

见结果页

See test result(s)

见结果页

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 3 页 共 32 页
Page 3 of 32

As specified by client, to test Antimony(Sb), Fluorine (F), Iodine (I), Polycyclic Aromatic Hydrocarbons (PAHs), Hexabromocyclododecane (HBCDD), Perfluorooctanoic Acid(PFOA), Phthalates, Red phosphorus in the submitted sample(s).

See test result(s)

(3)客户限值

Client's Limit

根据客户要求, 对所提交样品中的氯(Cl), 溴(Br), 全氟辛烷磺酸(PFOS)进行测试。

符合

As specified by client, to test Chlorine (Cl), Bromine (Br), Perfluorooctane Sulfonates(PFOS) in the submitted sample(s).

PASS

*****详细结果, 请见下页*****

***** For further details, please refer to the following page(s) *****

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 4 页 共 32 页
Page 4 of 32

1.1 欧盟法规(EC) No.1907/2006 (REACH)附录 17 及其修订案 Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)

▼ 砷及其化合物 Arsenic and its compounds

欧盟法规(EC) No.1907/2006 (REACH) 附录 17 及修订案 No. 552/2009 的条目 19

Entry 19, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No. 552/2009

测试方法: 参考 US EPA 3052:1996 & US EPA 6010D:2018*¹; 测试仪器: ICP-OES

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018*¹; Test Equipment: ICP-OES

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
砷 Arsenic (As)	N.D.	N.D.	N.D.	10	N.D.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	004	005	012	MDL (mg/kg)	(mg/kg)
砷 Arsenic (As)	N.D.	N.D.	N.D.	10	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

▼ 塑化材料中的邻苯二甲酸酯(盐) Phthalates in plasticized materials

欧盟法规 (EC) No.1907/2006 (REACH) 附录 17 及修订案 No.552/2009 & No. 2015/326 & (EU) 2018/2005 的条目 51 和 52

Entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No 2015/326 & (EU) 2018/2005

测试方法: 参考 EN 14372:2004(E) *¹; 测试仪器: GC-MS

Test Method: Refer to EN 14372:2004(E) *¹; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
邻苯二甲酸二(2-乙基己基)酯 Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
邻苯二甲酸二丁酯 Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
邻苯二甲酸苯基丁酯 Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	50	1000

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 5 页 共 32 页
Page 5 of 32

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
邻苯二甲酸二乙丁酯 Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
总和 SUM (DEHP+DBP+BBP+DIBP)	N.D.	N.D.	N.D.	--	1000
邻苯二甲酸二异壬酯 Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
邻苯二甲酸二辛酯 Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	50	--
邻苯二甲酸二异癸酯 Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
总和 SUM (DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	004	005	012	MDL (mg/kg)	(mg/kg)
邻苯二甲酸二(2-乙基己基)酯 Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
邻苯二甲酸二丁酯 Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
邻苯二甲酸苯基丁酯 Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	50	1000
邻苯二甲酸二乙丁酯 Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
总和 SUM (DEHP+DBP+BBP+DIBP)	N.D.	N.D.	N.D.	--	1000
邻苯二甲酸二异壬酯 Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
邻苯二甲酸二辛酯 Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	50	--
邻苯二甲酸二异癸酯 Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
总和 SUM (DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 1000 mg/kg=0.1%

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 6 页 共 32 页
Page 6 of 32

2.1 美国环保署有毒物质控制法(TSCA)第 6(h)部分关于持久性、生物累积性和毒性(PBT)化学物质的管控
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act
(TSCA) Section 6(h)

▼十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)

测试方法: 参考 US EPA 3550C:2007 & US EPA 8270E:2018*¹; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018*¹; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	001	002	003		
十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)	N.D.	N.D.	N.D.	5	1000

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	004	005	012		
十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)	N.D.	N.D.	N.D.	5	1000

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 此限值适用于在产品和物品中非有意添加十溴二苯醚(DecaBDE)的情况, 建议结合供应链确认物质的添加情况。

The limit applies to the situation where Decabromodiphenyl Ether (DecaBDE) is not intentionally added to the product or article. It is recommended to verify the addition of these substances through the supply chain.

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 7 页 共 32 页
Page 7 of 32

▼ **异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))**

测试方法: 参考 US EPA 3550C:2007 & US EPA 8270E:2018*¹; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018*¹; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	001	002	003		
异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))	N.D.	N.D.	N.D.	5	1000

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	004	005	012		
异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))	N.D.	N.D.	N.D.	5	1000

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 此限值适用于在产品和物品中非有意添加异丙基化磷酸三苯酯(PIP (3:1))的情况, 建议结合供应链确认物质的添加情况。

The limit applies to the situation where Phenol, Isopropylated Phosphate (PIP (3:1)) is not intentionally added to the product or article. It is recommended to verify the addition of these substances through the supply chain.

▼ **2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)**

测试方法: 参考 US EPA 3550C:2007 & US EPA 8270E:2018*¹; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018*¹; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	001	002	003		
2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)	N.D.	N.D.	N.D.	5	3000

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 8 页 共 32 页
Page 8 of 32

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	004	005	012		
2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)	N.D.	N.D.	N.D.	5	3000

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

▼ 六氯丁二烯 Hexachlorobutadiene (HCBd)

测试方法: 参考 US EPA 3550C:2007 & US EPA 8270E:2018*1; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018*1; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	001	002	003		
六氯丁二烯 Hexachlorobutadiene (HCBd)	N.D.	N.D.	N.D.	5	N.D.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	004	005	012		
六氯丁二烯 Hexachlorobutadiene (HCBd)	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 9 页 共 32 页
Page 9 of 32

▼ **五氯苯硫酚 Pentachlorothiophenol (PCTP)**

测试方法: 参考 US EPA 3550C:2007 & US EPA 8270E:2018*¹; 测试仪器: GC-MS

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018*¹; Test Equipment: GC-MS

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	001	002	003		
五氯苯硫酚 Pentachlorothiophenol (PCTP)	N.D.	N.D.	N.D.	5	10000

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)	限值 Limit (mg/kg)
	004	005	012		
五氯苯硫酚 Pentachlorothiophenol (PCTP)	N.D.	N.D.	N.D.	5	10000

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	白色电解纸 White electrolytic paper
2	002	黑色固体 Black solid
3	003	红色油墨 Red ink
4	004	黑色橡胶 Black rubber
5	005	白色颗粒 White grains
6	012	黄色胶带 Yellow adhesive tape

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 10 页 共 32 页
Page 10 of 32

3.1 检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
	IEC 62321-7-2:2017	
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-12:2023	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS
锑 Antimony(Sb)	参考 US EPA 3052:1996 & US EPA 6010D:2018* ¹ Refer to US EPA 3052:1996 & US EPA 6010D:2018* ¹	ICP-OES
氟 Fluorine (F)	EN 14582:2016	IC
氯 Chlorine (Cl)	EN 14582:2016	IC
溴 Bromine (Br)	EN 14582:2016	IC
碘 Iodine (I)	EN 14582:2016	IC
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2019:01 PAK	GC-MS
六溴环十二烷 Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
全氟辛酸 Perfluorooctanoic Acid(PFOA)	EN 17681-1:2022* ¹	LC-MS-MS
全氟辛烷磺酸 Perfluorooctane Sulfonates(PFOS)	EN 17681-1:2022* ¹	LC-MS-MS
邻苯二甲酸酯 Phthalates	参考 EN 14372:2004(E) * ¹ Refer to EN 14372:2004(E) * ¹	GC-MS
红磷 Red phosphorus* ¹	GB/T 6040-2019, GB/T 9722-2023, GB/T 17359-2023, EPA 6010D:2018	ICP-OES, PY-GC-MS, FTIR, EM

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 11 页 共 32 页
Page 11 of 32

3.2 检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
铅 Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	--	--	--	0.10 $\mu\text{g}/\text{cm}^2(\text{LOQ})$
	N.D.	N.D.	N.D.	8 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	006	
铅 Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	--	--	N.D.▼	0.10 $\mu\text{g}/\text{cm}^2(\text{LOQ})$
	N.D.	N.D.	--	8 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	007	008	009	
铅 Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	N.D.▼	N.D.▼	0.10 $\mu\text{g}/\text{cm}^2(\text{LOQ})$
	--	--	--	8 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL
	010	012	
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	--	0.10 $\mu\text{g}/\text{cm}^2(\text{LOQ})$
	--	N.D.	8 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 12 页 共 32 页
Page 12 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
多溴联苯 Polybrominated Biphenyls (PBBs)				
一溴联苯 Monobromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
多溴联苯 Polybrominated Biphenyls (PBBs)				
一溴联苯 Monobromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	N.D.	N.D.	25 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 13 页 共 32 页
Page 13 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	N.D.	25 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 14 页 共 32 页
Page 14 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)				
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)				
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
锑 Antimony (Sb)	93 mg/kg	N.D.	N.D.	10 mg/kg

检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 15 页 共 32 页
Page 15 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
锑 Antimony (Sb)	N.D.	N.D.	N.D.	10 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL	客户限值 Client's Limit
	001	002	003		
氟 Fluorine (F)	N.D.	N.D.	N.D.	10 mg/kg	/
氯 Chlorine (Cl)	N.D.	N.D.	420 mg/kg	10 mg/kg	<900 mg/kg
溴 Bromine (Br)	N.D.	N.D.	N.D.	10 mg/kg	<900 mg/kg
碘 Iodine (I)	N.D.	N.D.	N.D.	10 mg/kg	/
总计(氯+溴) Total (Cl + Br)	N.D.	N.D.	420 mg/kg	/	1500 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL	客户限值 Client's Limit
	004	005	012		
氟 Fluorine (F)	190 mg/kg	N.D.	N.D.	10 mg/kg	/
氯 Chlorine (Cl)	N.D.	N.D.	N.D.	10 mg/kg	<900 mg/kg
溴 Bromine (Br)	N.D.	N.D.	N.D.	10 mg/kg	<900 mg/kg
碘 Iodine (I)	N.D.	N.D.	N.D.	10 mg/kg	/
总计(氯+溴) Total (Cl + Br)	N.D.	N.D.	N.D.	/	1500 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 16 页 共 32 页
Page 16 of 32

测试项目 Tested Item(s)	结果 Result				方法检出限 MDL
	001	002	003	004	
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)					
萘 Naphthalene	N.D.	N.D.	2.4 mg/kg	N.D.	0.2 mg/kg
菲 Phenanthrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
蒽 Anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
荧蒽 Fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
芘 Pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
蒾 Chrysene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(a)蒽 Benzo(a)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(b)荧蒽 Benzo(b)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(k)荧蒽 Benzo(k)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(j)荧蒽 Benzo(j)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(a)芘 Benzo(a)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(e)芘 Benzo(e)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
二苯并(a,h)蒽 Dibenzo(a,h)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
苯并(g,h,i)花 Benzo(g,h,i)perylene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
茚并(1,2,3-cd)芘 Indeno(1,2,3-cd)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
菲,蒽,荧蒽,芘总量 Sum (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	N.D.	N.D.	N.D.	N.D.	/
15 PAHs 总量 Sum 15 PAHs	N.D.	N.D.	2.4 mg/kg	N.D.	/

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 17 页 共 32 页
Page 17 of 32

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL
	005	012	
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)			
萘 Naphthalene	N.D.	N.D.	0.2 mg/kg
菲 Phenanthrene	N.D.	N.D.	0.2 mg/kg
蒽 Anthracene	N.D.	N.D.	0.2 mg/kg
荧蒽 Fluoranthene	N.D.	N.D.	0.2 mg/kg
芘 Pyrene	N.D.	N.D.	0.2 mg/kg
蒾 Chrysene	N.D.	N.D.	0.2 mg/kg
苯并(a)蒽 Benzo(a)anthracene	N.D.	N.D.	0.2 mg/kg
苯并(b)荧蒽 Benzo(b)fluoranthene	N.D.	N.D.	0.2 mg/kg
苯并(k)荧蒽 Benzo(k)fluoranthene	N.D.	N.D.	0.2 mg/kg
苯并(j)荧蒽 Benzo(j)fluoranthene	N.D.	N.D.	0.2 mg/kg
苯并(a)芘 Benzo(a)pyrene	N.D.	N.D.	0.2 mg/kg
苯并(e)芘 Benzo(e)pyrene	N.D.	N.D.	0.2 mg/kg
二苯并(a,h)蒽 Dibenzo(a,h)anthracene	N.D.	N.D.	0.2 mg/kg
苯并(g,h,i)芘 Benzo(g,h,i)perylene	N.D.	N.D.	0.2 mg/kg
茚并(1,2,3-cd)芘 Indeno(1,2,3-cd)pyrene	N.D.	N.D.	0.2 mg/kg
菲,蒽,荧蒽,芘总量 Sum (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	N.D.	N.D.	/
15 PAHs 总量 Sum 15 PAHs	N.D.	N.D.	/

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 18 页 共 32 页
Page 18 of 32

可接触的表面材料中 PAHs 含量限值(mg/kg)(按风险评估的结果分类)
Maximum PAHs limits (mg/kg) for the materials with relevant contact/grip and operating surfaces that are to be categorised based on the results of the risk assessment

参数 Parameters	一类 Category 1	二类 Category 2		三类 Category 3	
	可放入口中的材料，或预期和皮肤接触时间超过 30 秒（长时接触）2009/48/EC 定义的玩具材料或供 3 岁以下儿童使用的产品 Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials for the use by children up to 3 years of age coming into long-term contact with skin (more than 30s) during the intended use	未包含在第一类材料中，预期和皮肤接触时间超过 30 秒（长时接触），或者和皮肤短时间频繁接触**的材料 Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact** with skin during the intended or foreseeable use	供儿童（< 14 岁）使用的产品（包括主动和被动直接接触） Use by children (< 14 years) (include both active and passive direct contact)	其他类产品 Other consumer products	供儿童（< 14 岁）使用的产品（包括主动和被动直接接触） Use by children (< 14 years) (include both active and passive direct contact)
苯并(a)芘 Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 Benzo(e)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 Benzo(a)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 Benzo(j)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(k)荧蒽 Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
蒽 Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽 Dibenz(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)芘 Benzo(g,h,i)perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚并(1,2,3-cd)芘 Indenol(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 19 页 共 32 页
Page 19 of 32

菲,葱,荧葱,芘 Phenanthrene, Anthracene, Fluoranthene, Pyrene	总量 < 1 < 1 Sum	总量 < 5 < 5 Sum	总量 < 10 < 10 Sum	总量 < 20 < 20 Sum	总量 < 50 < 50 Sum
萘 Naphthalene	< 1	< 2		< 10	
15 PAHs 总量 Sum 15 PAHs	< 1	< 5	< 10	< 20	< 50

** “短时间频繁接触” 来自REACH法规附录XVII第50项的修订案(法规 (EU) No. 1272/2013)
Definition “short-term repetitive contact” taken from REACH Annex XVII entry 50 amendment
(REGULATION (EU) No.1272/2013)

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
六溴环十二烷 Hexabromocyclododecane (HBCDD)	N.D.	N.D.	N.D.	20 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
六溴环十二烷 Hexabromocyclododecane (HBCDD)	N.D.	N.D.	N.D.	20 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
全氟辛酸 Perfluorooctanoic Acid (PFOA)	N.D.	N.D.	N.D.	0.01 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
全氟辛酸 Perfluorooctanoic Acid (PFOA)	N.D.	N.D.	N.D.	0.01 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 20 页 共 32 页
Page 20 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL	客户限值 Client's Limit
	001	002	003		
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	0.01 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL	客户限值 Client's Limit
	004	005	012		
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	0.01 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二甲酯 Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二戊酯 Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二壬酯 Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二(2-甲氧基)乙酯 Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	N.D.	N.D.	50 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 21 页 共 32 页
Page 21 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二异戊酯 Diisopentylphthalate (DIPP) CAS#:605-50-5	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二苄酯 Dibenzyl phthalate (DBzP) CAS#:523-31-9	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二苯酯 Diphenyl phthalate (DPhP) CAS#:84-62-8	N.D.	N.D.	N.D.	50 mg/kg
己二甲酸二乙基己基酯 Di(2-ethylhexyl) Adipate (DEHA) CAS#:103-23-1	N.D.	N.D.	N.D.	50 mg/kg
*2 邻苯二甲酸烷基酯(C7-11 支型和线性结构) 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP) CAS#:68515-42-4	N.D.	N.D.	N.D.	100 mg/kg
*2 邻苯二甲酸烷基酯(C6-8 支型结构, C7 富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) CAS#:71888-89-6	N.D.	N.D.	N.D.	100 mg/kg
邻苯二甲酸二异己酯 Di-iso-hexyl-phthalates (DIHxP) CAS#:71850-09-4	N.D.	N.D.	N.D.	50 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二甲酯 Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二戊酯 Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 22 页 共 32 页
Page 22 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二壬酯 Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二(2-甲氧基)乙酯 Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二异戊酯 Diisopentylphthalate (DIPP) CAS#:605-50-5	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二苄酯 Dibenzyl phthalate (DBzP) CAS#:523-31-9	N.D.	N.D.	N.D.	50 mg/kg
邻苯二甲酸二苯酯 Diphenyl phthalate (DPhP) CAS#:84-62-8	N.D.	N.D.	N.D.	50 mg/kg
己二甲酸二乙基己基酯 Di(2-ethylhexyl) Adipate (DEHA) CAS#:103-23-1	N.D.	N.D.	N.D.	50 mg/kg
*2 邻苯二甲酸烷基酯(C7-11 支型和线性结构) 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP) CAS#:68515-42-4	N.D.	N.D.	N.D.	100 mg/kg
*2 邻苯二甲酸烷基酯(C6-8 支型结构, C7 富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) CAS#:71888-89-6	N.D.	N.D.	N.D.	100 mg/kg
邻苯二甲酸二异己酯 Di-iso-hexyl-phthalates (DIHxP) CAS#:71850-09-4	N.D.	N.D.	N.D.	50 mg/kg

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 23 页 共 32 页
Page 23 of 32

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	001	002	003	
红磷 Red phosphorus* ¹	N.D.	N.D.	N.D.	500 mg/kg

测试项目 Tested Item(s)	结果 Result			方法检出限 MDL
	004	005	012	
红磷 Red phosphorus* ¹	N.D.	N.D.	N.D.	500 mg/kg

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	白色电解纸 White electrolytic paper
2	002	黑色固体 Black solid
3	003	红色油墨 Red ink
4	004	黑色橡胶 Black rubber
5	005	白色颗粒 White grains
6	006	灰色铝箔 Grey aluminum foil
7	007	灰色铝箔 Grey aluminum foil
8	008	银色金属 Silvery metal
9	009	混测, 银色金属 Mixed test, silvery metal
10	010	混测, 有银色镀层的金属 Mixed test, metal with silvery plating
11	012	黄色胶带 Yellow adhesive tape

检测报告

Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 24 页 共 32 页
Page 24 of 32

备注: 对于检测铅, 镉, 汞, 锑之样品已消解完全。
-N.D. = 未检出 (小于方法检出限或定量限)
-mg/kg = ppm = 百万分之一
-LOQ = 定量限, 六价铬的定量限为 0.10 $\mu\text{g}/\text{cm}^2$
-▼六价铬浓度小于 0.10 $\mu\text{g}/\text{cm}^2$, 样品未检出六价铬。由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。
-*2: 由于这些物质是 UVCB 物质(未知成分或可变成成分的, 复杂反应物或生物材料的物质), 由各种不同的成分组成, 所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。
根据客户要求, 对样品进行混合测试, 测试结果不代表混合测试样品中任何一种单一材质的含量。

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

-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL or LOQ)
-mg/kg = ppm = parts per million
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 $\mu\text{g}/\text{cm}^2$
-▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 $\mu\text{g}/\text{cm}^2$. The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.
-*2: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

注释: 本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。
“*1” 表示该项目/方法不在 CNAS 认可范围内。

Note: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.
“*1” indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

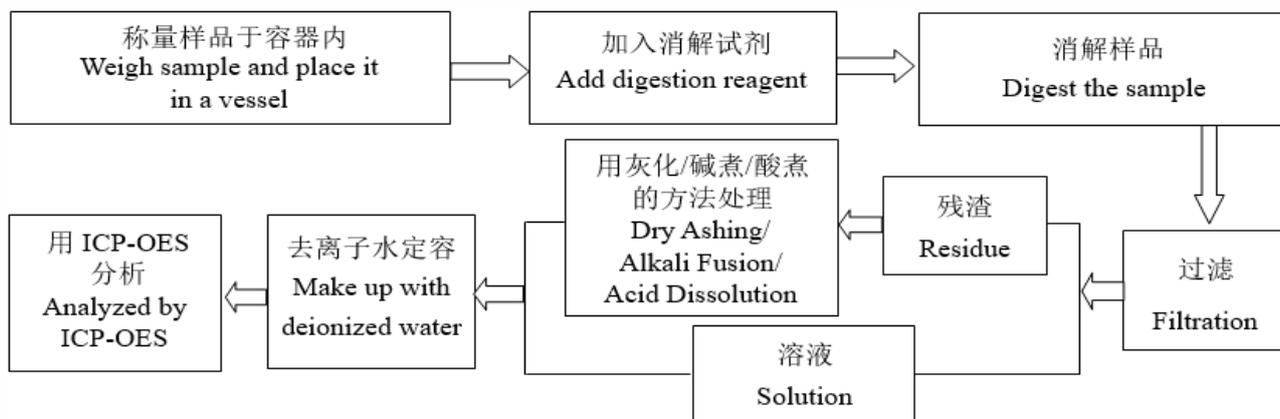
检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

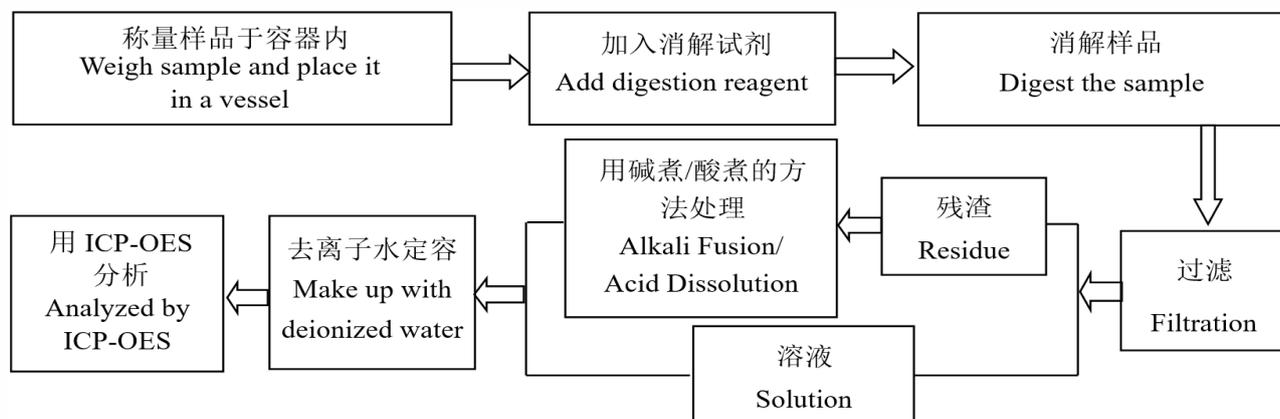
第 25 页 共 32 页
Page 25 of 32

3.3 检测流程 Test Process

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



3.3.2. 汞 Mercury (Hg)



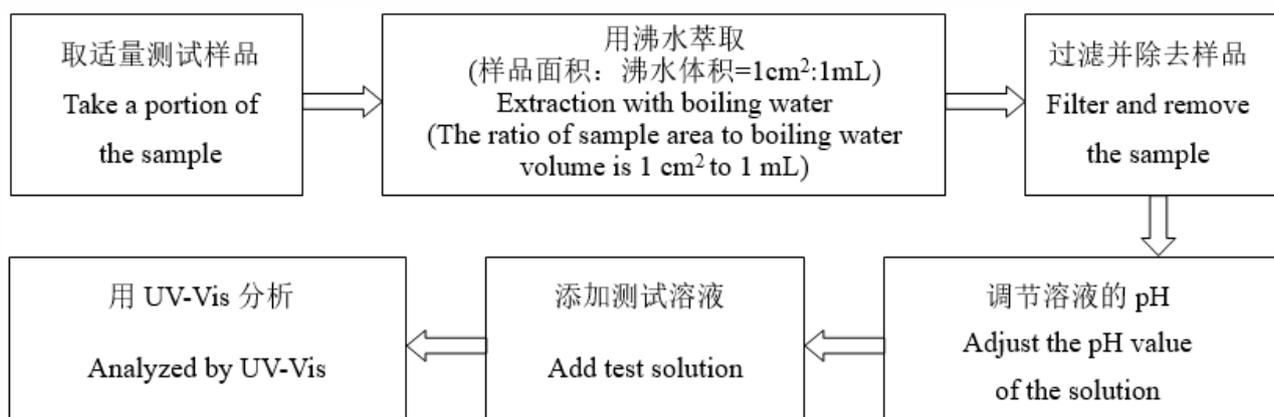
检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

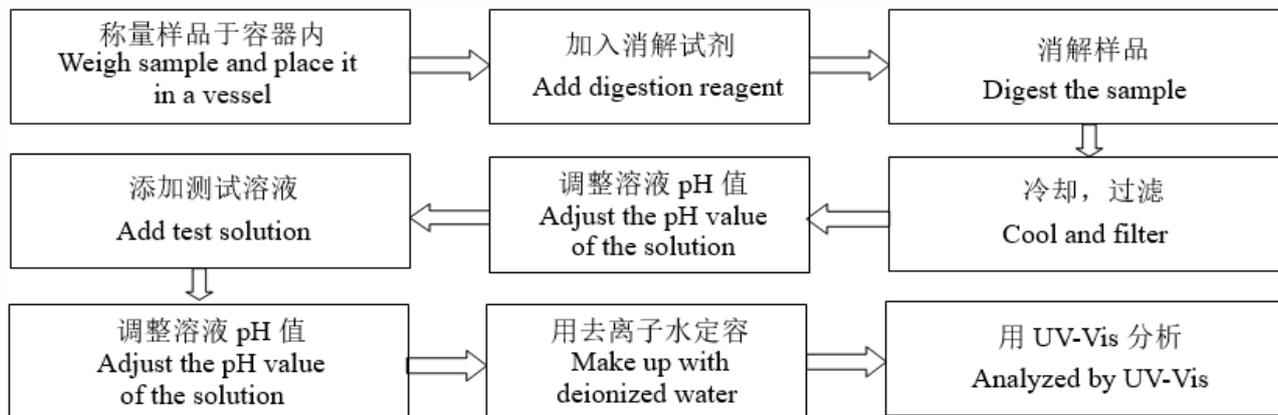
第 26 页 共 32 页
Page 26 of 32

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

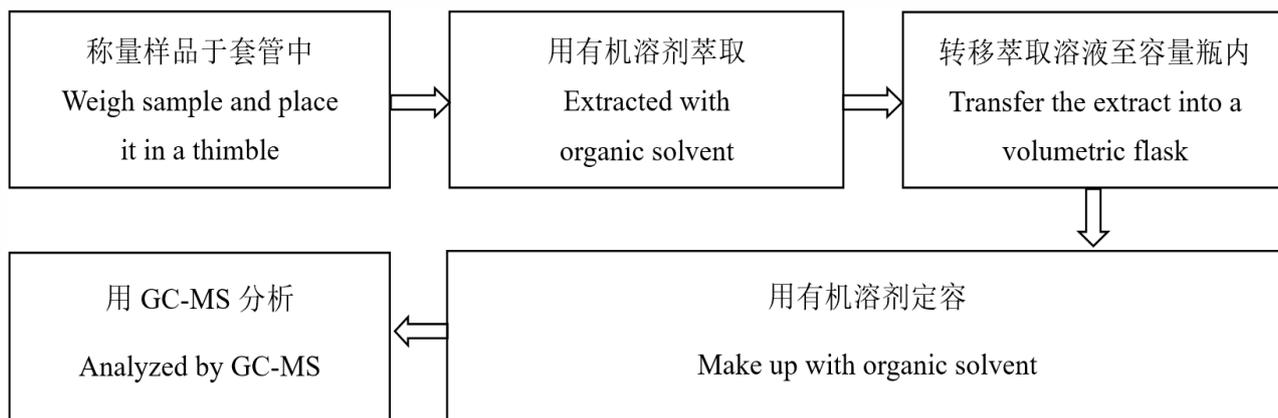
(1) IEC 62321-7-1:2015



(2) IEC 62321-7-2:2017



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

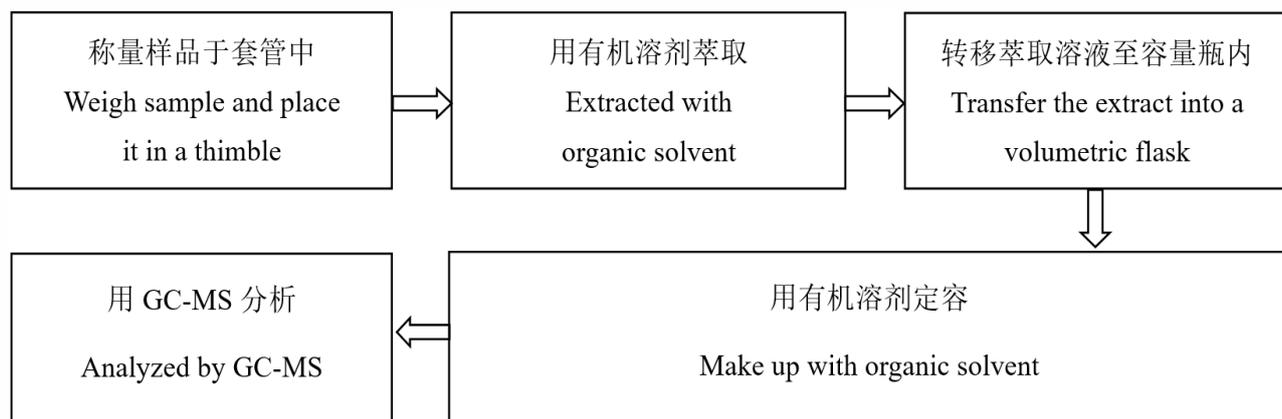


检测报告 Test Report

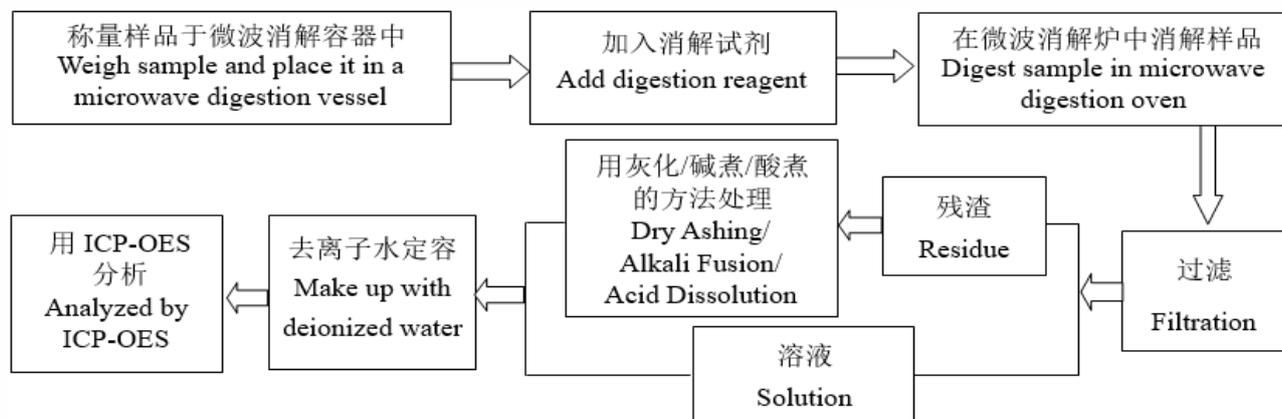
报告编号 A2250390769101001E
Report No. A2250390769101001E

第 27 页 共 32 页
Page 27 of 32

3.3.5. 邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)



3.3.6. 锑 Antimony(Sb)



3.3.7. 氟 Fluorine (F), 氯 Chlorine (Cl), 溴 Bromine (Br), 碘 Iodine (I)

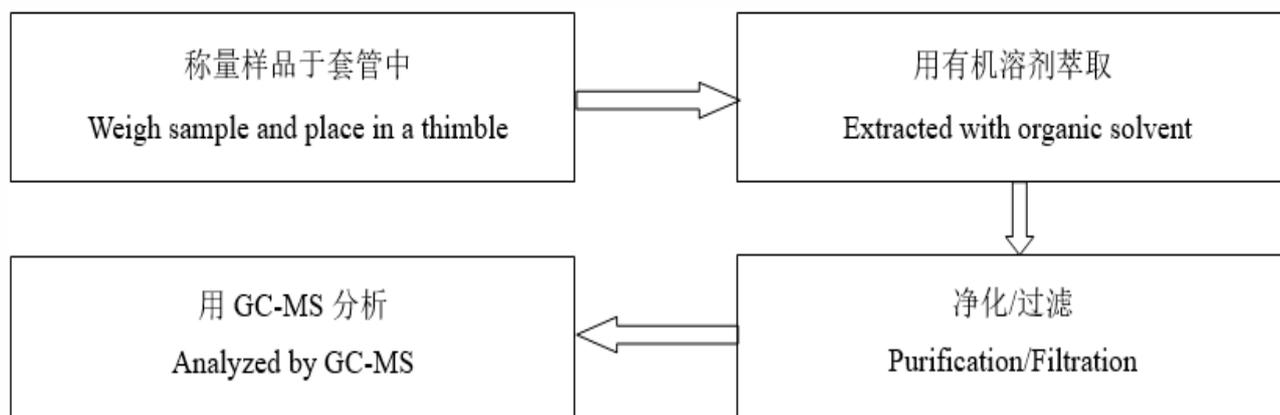


检测报告 Test Report

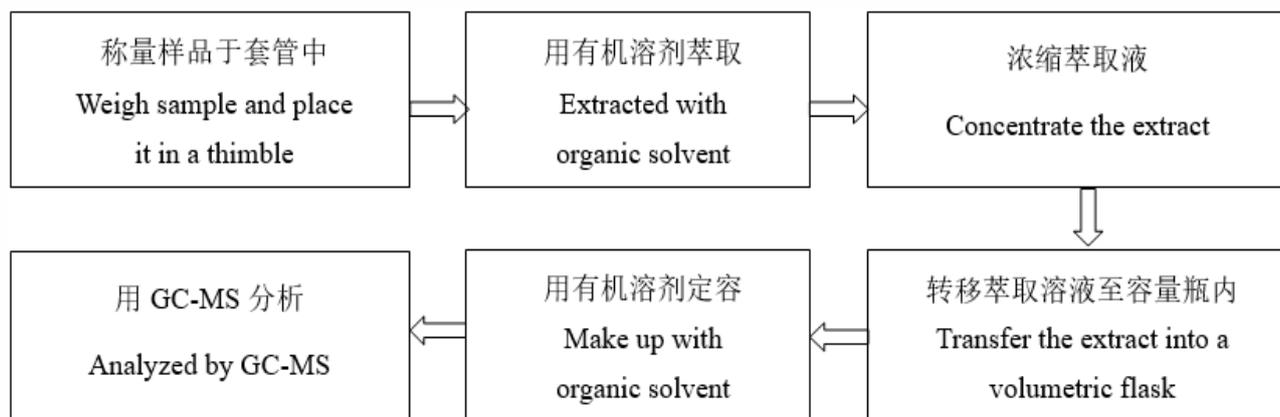
报告编号 A2250390769101001E
Report No. A2250390769101001E

第 28 页 共 32 页
Page 28 of 32

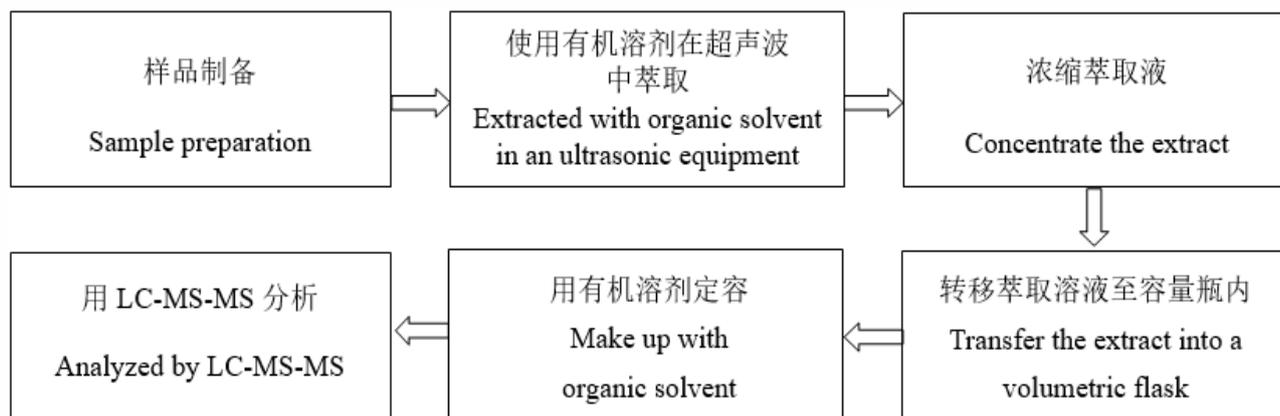
3.3.8. 多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)



3.3.9. 六溴环十二烷 Hexabromocyclododecane (HBCDD)



3.3.10. 全氟辛酸 (PFOA) Perfluorooctanoic Acid (PFOA), 全氟辛烷磺酸 (PFOS) Perfluorooctane Sulfonates (PFOS)

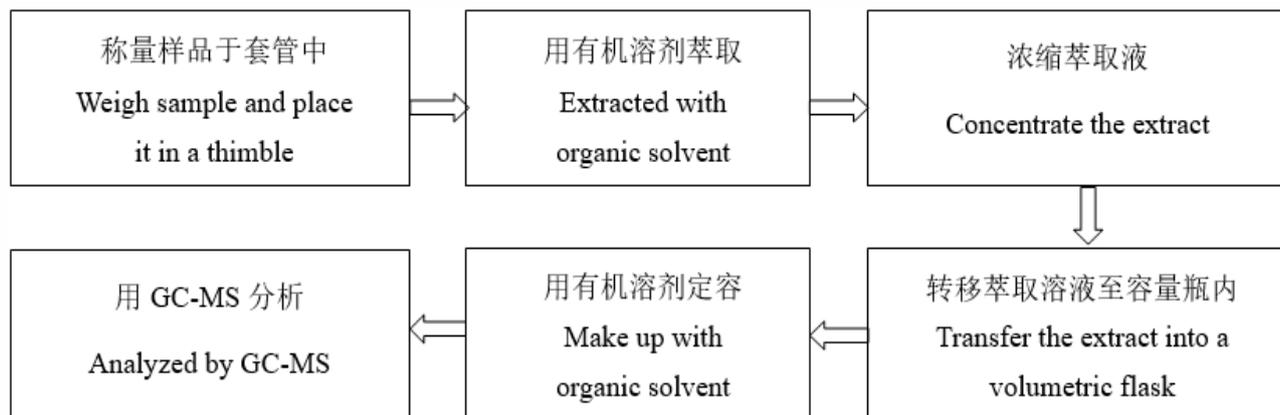


检测报告 Test Report

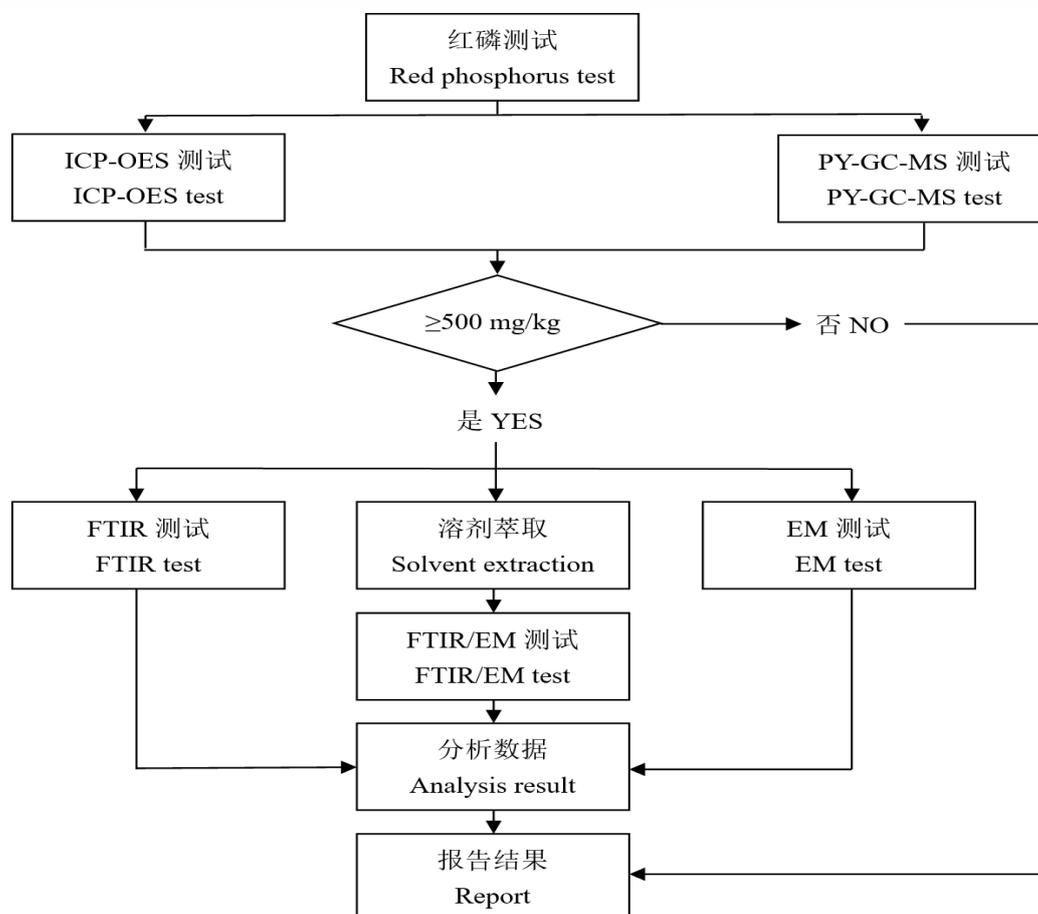
报告编号 A2250390769101001E
Report No. A2250390769101001E

第 29 页 共 32 页
Page 29 of 32

3.3.11. 邻苯二甲酸酯 Phthalates



3.3.12. 红磷 Red phosphorus



检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 30 页 共 32 页
Page 30 of 32

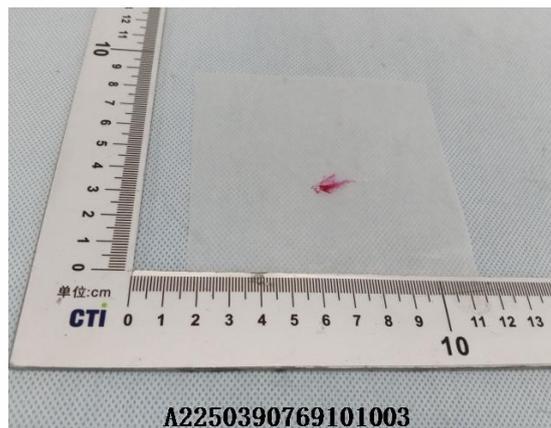
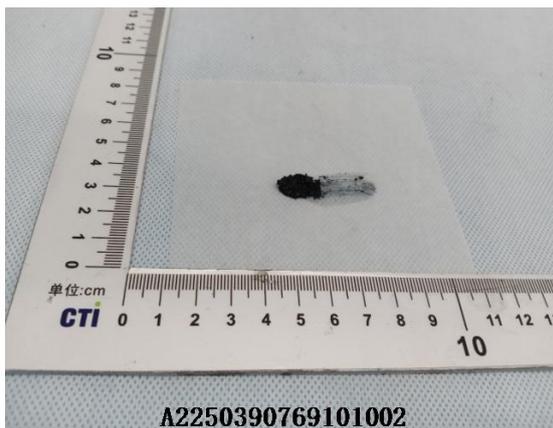
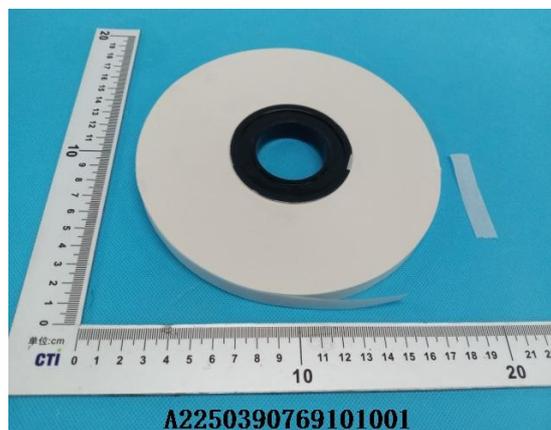
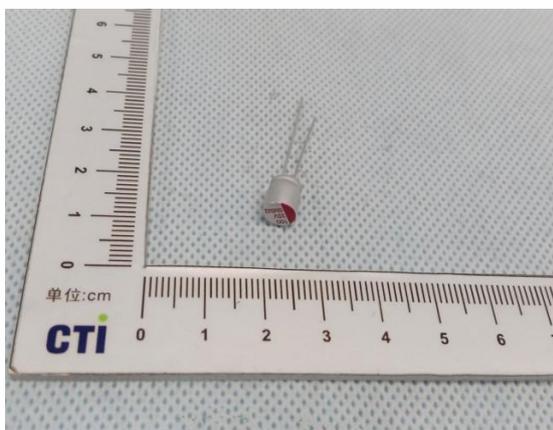
样品图片

Photo(s) of the sample(s)

成品（客户参考图片（非测试样品））

Final Product

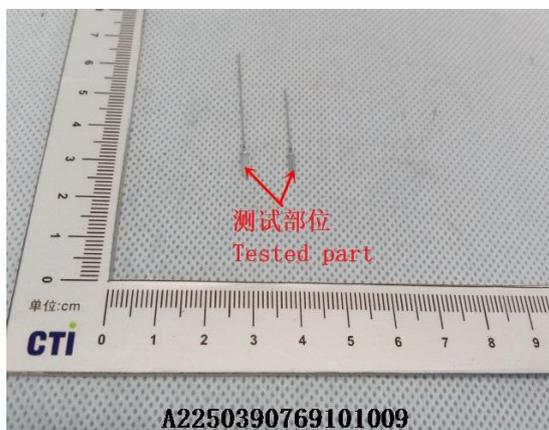
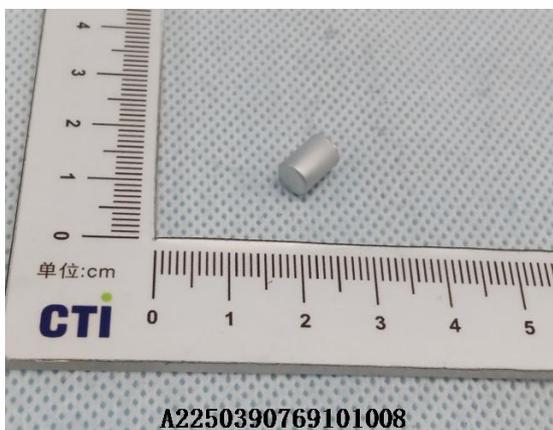
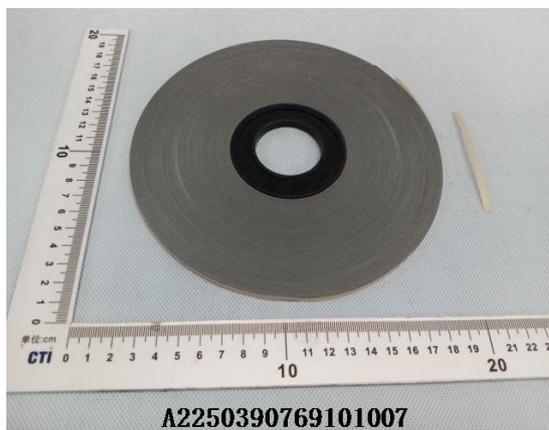
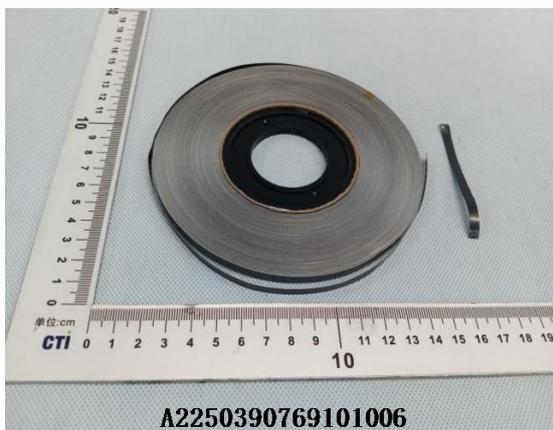
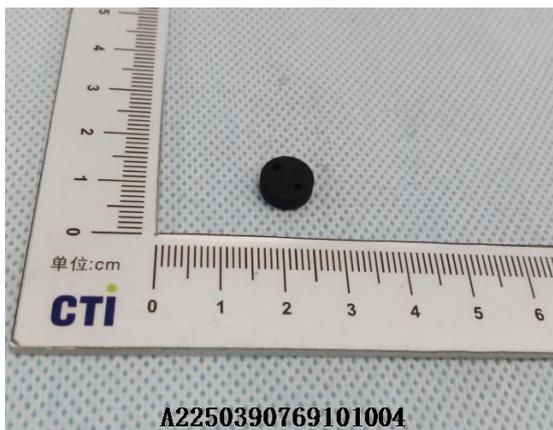
(Client Reference Photo(Non-tested sample))



检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

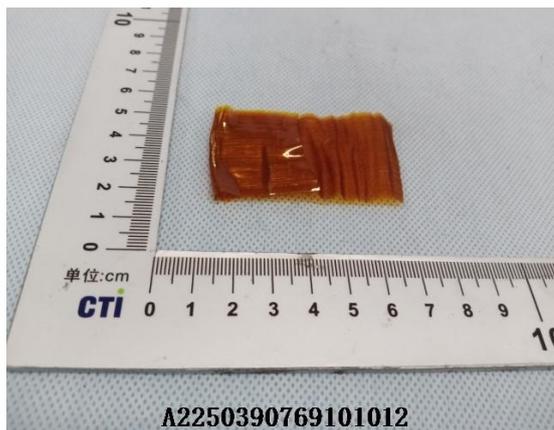
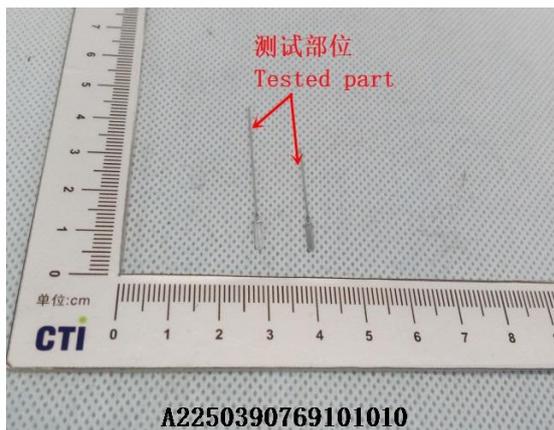
第 31 页 共 32 页
Page 31 of 32



检测报告 Test Report

报告编号 A2250390769101001E
Report No. A2250390769101001E

第 32 页 共 32 页
Page 32 of 32



声明 Statement:

1. 检测报告无批准人签字、“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. 如检测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 testing reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

