检测报告
Test Report

报告编号 A2260116145101002E
Report No. A2260116145101002E

报告抬头公司名称	江苏晟驰微电子有限公司
Company Name shown on Report	JIANGSU SEMICON CHAMPION MICROELECTRONICS CO,.LTD
地　　址	江苏省海安市经济开发区康华路 55 号
Address	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	平面晶圆
Sample Name	Planer wafer
样品接收日期	2026.02.09
Sample Received Date	Feb. 9, 2026
样品检测日期	2026.02.09-2026.02.13
Testing Period	Feb. 9, 2026 to Feb. 13, 2026

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).

批　　准
Approved by

陈凯敏
实验室经理 Lab Manager

日　　期
Date
2026.02.13

上海华测品标检测技术有限公司
检验检测专用章

No. R794244045

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

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测试摘要 Executive Summary:

测试要求 TEST REQUEST		测试结果 CONCLUSION
1.	客户要求 Client's requirement	
-	全氟辛酸(PFOA)及其盐和相关物质 Perfluorooctanoic acid (PFOA) and its salts & related substances	**见结果页 See test result(s)**
-	全氟辛烷磺酸(PFOS)及其盐和相关物质 Perfluroctane sulfonic acid (PFOS) and its salts & related substances	**见结果页 See test result(s)**
2.	根据客户要求，对所提交样品中的多氯联苯(PCBs)，砷(As)，铍(Be)，锑(Sb)，邻苯二甲酸酯进行测试。 As specified by client, to test Polychlorinated Biphenyls(PCBs), Arsenic(As), Beryllium(Be), Antimony(Sb), Phthalates in the submitted sample(s).	**见结果页 See test result(s)**

************详细结果，请见下页*************
************* For further details, please refer to the following page(s) *************

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1.1 客户要求 Client's requirement

▼**全氟辛酸(PFOA)及其盐和相关物质 Perfluorooctanoic acid (PFOA) and its salts & related substances**

测试方法：参考 EN 17681-1:2025；测试仪器：LC-MS-MS&GC-MS-MS

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg)	方法检出限 MDL (mg/kg)
		002	
PFOA 及其盐 PFOA and its salts*	-	N.D.	0.010
全氟辛酸(PFOA)及其盐 Perfluorooctanoic acid (PFOA) and its salts	-	N.D.	--
全氟辛酸甲酯 Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.	0.200
全氟辛酸乙酯 Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.	0.200
全氟正辛基碘烷 Perfluorooctyl iodide (PFOI)	507-63-1	N.D.	0.200
1H,1H,2H,2H-全氟-1-癸醇 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.	0.200
8:2 FTS 及其盐 8:2 FTS and its salts*	-	N.D.	0.200
丙烯酸 1H,1H,2H,2H-十七氟癸酯 1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9	N.D.	0.200
2-(全氟辛基)乙基甲基丙烯酸酯 2-Propenoic acid, 2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 FTMA)	1996-88-9	N.D.	0.200
1H,1H,2H,2H-全氟癸基三乙氧基硅烷 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	N.D.	0.200
1-碘-1H,1H,2H,2H-全氟癸烷 Decane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo- (8:2 FTI)	2043-53-0	N.D.	0.200
8:2diPAP 及其盐 8:2diPAP and its salts*	-	N.D.	0.200
2H,2H-全氟癸酸 2H,2H-Perfluorodecanoate (H_2PFDA)	27854-31-5	N.D.	0.010
四丁基磷 2H,2H-全氟癸酸酯 Tetrabutylphosphonium 2H,2H-Perfluorodecanoate ($H_2PFDA-P(C_4H_9)_4$)	882489-14-7	N.D.	0.010
H_4PFUnA 及其盐 H_4PFUnA and its salts*	34598-33-9	N.D.	0.010
全氟辛基乙烯 1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4	N.D.	0.200
全氟癸基三氯硅烷 Perfluorooctylethyltrichlorosilane (FDTS)	78560-44-8	N.D.	0.200
全氟癸基三甲氧硅烷 Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1	N.D.	0.200
10:2 diPAP 及其盐 10:2 diPAP and its salts*	-	N.D.	0.200
8:2 monoPAPS 及其盐 8:2 monoPAPS and its salts*	-	N.D.	0.200
2H-全氟-2-癸烯酸 2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	N.D.	0.010
C8-14-全氟烷基乙醇 Alcohols,C8-14,gamma-omega-perfluoro (C8-14-PFEtOH)	68391-08-2	N.D.	0.200

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测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg) 002	方法检出限 MDL (mg/kg)
2-全氟辛基乙基乙酸酯 1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1	N.D.	0.200
8:8 PFPi 及其盐 8:8 PFPi and its salts*	-	N.D.	0.010
PFOPA 及其盐 PFOPA and its salts*	-	N.D.	0.010
1H,1H,2H,2H-全氟癸基乙酸酯 1H,1H,2H,2H-Perfluorododecyl acetate (10:2FTOAc)	37858-05-2	N.D.	0.200
3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-十五氟-2-壬醇 7:2 sFluorotelomer alcohol (7:2sFTOH)	24015-83-6	N.D.	0.200
1H,1H-全氟辛基胺 1H,1H-Perfluorooctylamine (7:1 FTNH$_2$)	307-29-9	N.D.	0.200
6:8 PFPi 及其盐 6:8 PFPi and its salts*	-	N.D.	0.010
全氟辛酸(PFOA)相关物质 Perfluorooctanoic acid (PFOA) related substances	--	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
- * = PFOA 及其盐和相关物质清单中列出的物质 The substances listed in the List of PFOA and its salts & related substances

PFOA 及其盐和相关物质清单 List of PFOA and its salts & related substances

序号 No.	组名 Group Name	物质名称 Substance Name(s)	CAS No.
全氟辛酸(PFOA)及其盐 Perfluorooctanoic acid (PFOA) and its salts			
1	PFOA 及其盐 PFOA and its salts	全氟辛酸 Perfluorooctanoic acid (PFOA)	335-67-1
2		全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
3		全氟辛酸钠 Sodium perfluorooctanoate (PFOA-Na)	335-95-5
4		全氟辛酸钾 Potassium perfluorooctanoate (PFOA-K)	2395-00-8
5		全氟辛酸锂 Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
6		全氟辛酸银 Silver perfluorooctanoate (PFOA-Ag)	335-93-3
7		全氟辛氟 Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
8		全氟辛酸铯 Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
9		全氟辛酸钴 Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
10		全氟辛酸铬 Chromium(III) perfluorooctanoate (PFOA-Cr)	68141-02-6
11		全氟辛酸四乙基铵 N,N,N-Triethylethanaminium perfluorooctanoate (PFOA-NH(C_8H_{19}))	98241-25-9
12		全氟辛酸四丙基铵 Tetrapropylammonium perfluorooctanoate (PFOA-NH($C_{12}H_{27}$))	277749-00-5
13		全氟辛酸 N,N,N-三甲基甲烷 Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C_4H_{11}))	32609-65-7
14		全氟辛酸-哌嗪 Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH(C_4H_{10}N))	423-52-9

15		全氟辛酸钾水合物 Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K$(H_2O)_2$)	98065-31-7
16		全氟辛酸乙胺 Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6
17		全氟辛酸吡啶 Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2
18		全氟辛酸苯基哌嗪 Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7
19		全氟辛酸辛基三甲基铵 N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6
20		全氟辛酸酐 Perfluorooctanoic Anhydride (PFOAA)	33496-48-9
21		全氟辛酸盐 Pentadecafluorooctanoate (anion) (PFOA (anion))	45285-51-6
22		全氟辛酸氯 Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8
全氟辛酸(PFOA)相关物质 Perfluorooctanoic acid (PFOA) related substances			
23	--	全氟辛酸甲酯 Methyl perfluorooctanoate (Me-PFOA)	376-27-2
24	--	全氟辛酸乙酯 Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5
25	--	全氟正辛基碘烷 Perfluorooctyl iodide (PFOI)	507-63-1
26	--	1H,1H,2H,2H-全氟-1-癸醇 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7
27	8:2 FTS 及其盐 8:2 FTS and its salts	1H,1H,2H,2H-全氟癸磺酸 1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4
28		1H,1H,2H,2H-全氟癸磺酸钠 1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium (8:2 FTS-Na)	27619-96-1
29		1H,1H,2H,2H-全氟癸磺酸钾 Potassium 2-(perfluorooctyl)ethane-1-sulfonate (8:2 FTS-K)	438237-73-1
30		1H,1H,2H,2H-全氟癸磺酸铵 8:2 Fluorotelomer sulfonate ammonium salt (8:2 FTS-NH_4)	149724-40-3
31		1H,1H,2H,2H-全氟癸磺酸盐 2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS (anion))	481071-78-7
32		1H,1H,2H,2H-全氟癸磺酰氯 2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5
33	--	丙烯酸 1H,1H,2H,2H-十七氟癸酯 1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9
34	--	2-(全氟辛基)乙基甲基丙烯酸酯 2-Propenoic acid,2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 FTMA)	1996-88-9
35	--	1H,1H,2H,2H-全氟癸基三乙氧基硅烷 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4
36	--	1-碘-1H,1H,2H,2H-全氟癸烷 Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8- heptadecafluoro-10-iodo- (8:2 FTI)	2043-53-0
37	8:2diPAP 及其盐 8:2diPAP and its salts	双(2-(全氟乙基))磷酸 8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1
38		双(2-(全氟乙基))磷酸钠 Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6
39		双(2-(全氟乙基))磷酸铵 Ammonium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-NH_4)	93776-20-6
40		双(2-(全氟乙基))磷酸二乙醇胺 Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate (8:2diPAP-$C_4H_{11}NO_2$)	57677-97-1
41		双(2-(全氟乙基))磷酸盐 8:2 Fluorotelomer phosphate diester ion (1-) (8:2diPAP (anion))	1411713-91-1
42	--	2H,2H-全氟癸酸 2H,2H-Perfluorodecanoate (H_2PFDA)	27854-31-5

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43	--	四丁基磷 2H,2H-全氟癸酸酯 Tetrabutylphosphonium 2H,2H-Perfluorodecanoate ($H_2PFDA-P(C_4H_9)_4$)	882489-14-7
44	H_4PFUnA 及其盐 H_4PFUnA and its salts	2H,2H,3H,3H-全氟十一酸 2H,2H,3H,3H-Perfluoroundecanoic acid (H_4PFUnA)	34598-33-9
45		3-(全氟辛基)丙酸钾 Potassium 3-(perfluorooctyl)propanoate (H_4PFUnA-K)	83310-58-1
46		2H,2H,3H,3H-全氟十一酸锂 Lithium 3-(perfluorooctyl)propanoate (H_4PFUnA-Li)	67304-23-8
47	--	全氟辛基乙烯 1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4
48	--	全氟癸基三氯硅烷 Perfluorooctylethyltrichlorosilane (FDTS)	78560-44-8
49	--	全氟癸基三甲氧硅烷 Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1
50	10:2 diPAP 及其盐 10:2 diPAP and its salts	双[2-(全氟癸基)乙基]磷酸酯 Bis[2-(perfluorodecyl)ethyl] Phosphate (10:2 diPAP)	1895-26-7
51		2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐 Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2
52	8:2 monoPAPS 及其盐 8:2 monoPAPS and its salts	十七氟-1-癸醇磷酸二氢酯 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl dihydrogen phosphate (8:2 monoPAPS)	57678-03-2
53		8:2 氟调聚物磷酸单酯钠盐 Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAPS-Na)	92678-93-8
54		8:2 氟调聚物磷酸单酯二钠盐 Disodium 1H,1H,2H,2H-perfluorodecylphosphate (8:2 monoPAPS-Na_2)	438237-75-3
55		8:2 氟调聚物磷酸单酯二铵盐 8:2 Fluorotelomer diammonium phosphate (8:2 monoPAPS-NH_4NH_4)	93857-44-4
56	--	2H-全氟-2-癸烯酸 2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2
57	--	C8-14-全氟烷基乙醇 Alcohols, C8-14, gamma-omega-perfluoro (C8-14-PFEtOH)	68391-08-2
58	--	2-全氟辛基乙基乙酸酯 1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1
59	8:8 PFPi 及其盐 8:8 PFPi and its salts	8:8 全氟次膦酸 Bis(heptadecafluorooctyl)phosphinic acid (8:8 PFPi)	40143-79-1
60		8:8 全氟次膦酸钠盐 Sodium bis(perfluorooctyl)phosphinate (8:8 PFPi-Na)	500776-69-2
61		8:8 全氟次膦酸铒盐 Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5
62		8:8 全氟次膦酸镱盐 Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6
63	PFOPA 及其盐 PFOPA and its salts	全氟辛基膦酸(Perfluorooctyl)phosphonic acid (PFOPA)	40143-78-0
64		全氟辛基膦酸-4-甲基苄胺(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (PFOPA-C_8H_9NO)	1263361-03-0
65	--	1H,1H,2H,2H-全氟癸基乙酸酯 1H,1H,2H,2H-Perfluorododecyl acetate (10:2FTOAc)	37858-05-2
66	--	3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-十五氟-2-壬醇 7:2 sFluorotelomer alcohol (7:2sFTOH)	24015-83-6
67	--	1H,1H-全氟辛基胺 1H,1H-Perfluorooctylamine (7:1 $FTNH_2$)	307-29-9
68	6:8 PFPi 及其盐 6:8 PFPi and its salts	6:8 全氟次膦酸 Perfluorohexylperfluorooctyl phosphinic acid (6:8 PFPi)	610800-34-5
69		6:8 全氟次膦酸钠 Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6

▼全氟辛烷磺酸(PFOS)及其盐和相关物质 Perfluroctane sulfonic acid (PFOS) and its salts & related substances

测试方法: 参考 EN 17681-1:2025; 测试仪器: LC-MS-MS&GC-MS-MS

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg)	方法检出限 MDL (mg/kg)
		002	
PFOS 及其盐 PFOS and its salts*	-	N.D.	0.010
全氟辛烷磺酸(PFOS)及其盐 Perfluroctane sulfonic acid (PFOS) and its salts	-	N.D.	--
全氟辛基磺酰氟 Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7	N.D.	0.010
氟虫胺 N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	N.D.	0.050
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-甲基-辛磺酰胺 N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	N.D.	0.050
N-乙基全氟辛基磺酰胺乙醇 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	N.D.	0.050
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-(2-羟乙基)-N-甲基-1-辛基磺酰胺 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	N.D.	0.050
PFOSA 及其盐 PFOSA and its salts*	-	N.D.	0.010
N-Me-FOSAA 及其盐 N-Me-FOSAA and its salts*	-	N.D.	0.050
N-Et-FOSAA 及其盐 N-Et-FOSAA and its salts*	-	N.D.	0.050
FOSAA 及其盐 FOSAA and its salts*	-	N.D.	0.010
EtFOSEdiPAPs 及其盐 EtFOSEdiPAPs and its salts*	-	N.D.	0.050
2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate (EtFOSAC)	423-82-5	N.D.	0.200
全氟辛烷磺酸(PFOS)相关物质 Perfluroctane sulfonic acid (PFOS) related substances	-	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
- * = PFOS 及其盐和相关物质清单中列出的物质 The substances listed in the List of PFOS and its salts & related substances

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PFOS 及其盐和相关物质清单 List of PFOS and its salts & related substances

序号 No.	组名 Group Name	物质名称 Substance Name(s)	CAS No.
全氟辛烷磺酸(PFOS)及其盐 Perfluroctane sulfonic acid (PFOS) and its salts			
1	PFOS 及其盐 PFOS and its salts	全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	1763-23-1
2		全氟辛基磺酸钾 Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3
3		全氟辛基磺酸锂 Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
4		全氟辛基磺酸钠 Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0
5		全氟辛基磺酸镁 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, magnesium salt (2:1) (PFOS-Mg)	91036-71-4
6		全氟辛基磺酸铵 Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH_4)	29081-56-9
7		全氟辛基磺酸二乙醇铵 Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH(OH)_2$)	70225-14-8
8		全氟辛基磺酸四乙基胺 Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3
9		全氟辛烷磺酸四丁基铵 Tetrabutylammonium perfluorooctanesulfonate (PFOS-$NH(C_{16}H_{36})$)	111873-33-7
10		全氟辛基磺酸二癸二甲基铵 Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)	251099-16-8
11		全氟辛基磺酸哌啶 Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
12		全氟辛基磺酸四甲基胺 Tetramethylammonium perfluorooctane sulfonate (PFOS-$C_4H_{12}N$)	56773-44-5
13		全氟辛基磺酸二乙胺 Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7
14		全氟辛基磺酸三乙胺 Triethylammonium perfluorooctane sulfonate (PFOS-$C_6H_{15}N$)	54439-46-2
15		全氟辛基磺酸三丁基甲基胺 N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{13}H_{30}N$)	124472-68-0
16		全氟辛基磺酸戊基(三丙基)氮胺 N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{14}H_{32}N$)	56773-56-9
17		全氟辛基磺酸四丁基膦 Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-$C_{16}H_{36}P$)	2185049-59-4
18		全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
19		全氟辛基磺酸双[4-(1,1-二甲基乙基)苯基]-碘鎓 Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) (PFOS-$C_{20}H_{26}I$)	213740-80-8
20		全氟辛基磺酸二苯基(2,4,6-三甲基苯基)硫 Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate (PFOS-$C_{21}H_{21}S$)	258341-99-0
21		全氟辛基磺酸十六烷基吡啶 1-Hexadecylpyridinium perfluoro-1-octanesulfonate (PFOS-$C_{21}H_{38}N$)	334529-63-4
22		全氟辛基磺酸酐 Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
23		N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐 N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{16}H_{36}N$)	773895-92-4
24		全氟辛烷磺酸盐 Perfluorooctanesulfonate (PFOS (anion))	45298-90-6

25		全氟辛基磺酰氯 Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9
26		全氟辛基磺酸镱 Bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate);ytterbium(2+) (PFOS-Yb^{2+})	-
27		全氟辛基磺酸银 Silver perfluorooctanesulfonate (PFOS-Ag)	-
28		全氟辛基磺酸铟 Tris(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate);indium(3+) (PFOS-In^{3+})	-
29		全氟辛基磺酸镉 Cadmium(2+);bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate) (PFOS-Cd^{2+})	-
全氟辛烷磺酸(PFOS)相关物质 Perfluroctane sulfonic acid (PFOS) related substances			
30	--	全氟辛基磺酰氟 Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7
31	--	氟虫胺 N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2
32	--	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-甲基-辛磺酰胺 N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8
33	--	N-乙基全氟辛基磺酰胺乙醇 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2
34	--	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-(2-羟乙基)-N-甲基-1-辛基磺酰胺 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7
35	PFOSA 及其盐 PFOSA and its salts	全氟辛基磺酰胺 Perfluorooctanesulfonamide (PFOSA)	754-91-6
36		全氟辛基磺酰胺锂盐(1:1) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
37		全氟辛基磺酰胺钠盐(1:1) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
38		全氟辛基磺酰胺钾盐(1:1) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
39		全氟辛基磺酰胺铵盐(1:1) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH_4)	76752-72-2
40		全氟辛基磺酰胺三乙胺 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-$C_6H_{15}N$)	76752-82-4
41	N-Me-FOSAA 及其盐 N-Me-FOSAA and its salts	N-(十七氟辛基磺酰基)-N-甲基甘氨酸 N-Methyl perfluorooctanesulfonamidoacetic acid (N-Me-FOSAA)	2355-31-9
42		N-(十七氟辛基磺酰基)-N-甲基甘氨酸钾 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
43		N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA (anion))	909405-48-7
44	N-Et-FOSAA 及其盐 N-Et-FOSAA and its salts	N-乙基-N-((十七氟辛基)磺酰基)甘氨酸 N-ethyl-N-[(heptadecafluorooctyl)sulphonyl] glycine (N-Et-FOSAA)	2991-50-6
45		N-乙基-N-[(十七烷氟辛基)磺酰基]-甘氨酸钾盐 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7
46		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
47		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-NH_4)	2991-52-8
48		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA (anion))	909405-49-8
49	FOSAA 及其盐 FOSAA and its	全氟辛烷磺酰氨基乙酸 Glycine, N-[(heptadecafluorooctyl)sulfonyl]-(FOSAA)	2806-24-8

50	salts	全氟辛烷磺酰氨基乙酸钾 N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
51		全氟辛烷磺酰氨基乙酸钠 N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
52		全氟辛烷磺酰氨基乙酸盐 N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA (anion))	909405-47-6
53	EtFOSEdiPAPs 及其盐 EtFOSEdiPAPs and its salts	双(2-全氟辛基磺酰基-N-氨乙基)磷酸 Bis[2-[N-ethyl(heptadecafluorooctanesulphonyl)amino]ethyl]hydrogen phosphate (EtFOSEdiPAPs)	2965-52-8
54		双(2-全氟辛基磺酰基-N-氨乙基)磷酸铵 Ammonium bis(N-ethyl-2-perfluorooctylsulfonaminoethyl)phosphate (EtFOSEdiPAPs-NH_4)	30381-98-7
55		双(3-全氟辛基磺酰基-N-氨乙基)磷酸钠 Sodium bis[2-(N-ethylperfluorooctane-1-sulfonamido)ethyl] phosphate (EtFOSEdiPAPs-Na)	23282-60-2
56	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate (EtFOSAC)	423-82-5

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	002	芯片 Chip

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2.1 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)
多氯联苯 Polychlorinated Biphenyls(PCBs)	参考 US EPA 3550C:2007 & US EPA 8270E:2018 Refer to US EPA 3550C:2007 & US EPA 8270E:2018	GC-MS
砷 Arsenic(As)	参考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
铍 Beryllium(Be)	参考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
锑 Antimony(Sb)	参考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
邻苯二甲酸酯 Phthalates	IEC 62321-12:2023	GC-MS

2.2 检测结果 Test Result(s)

测试项目 Tested Item(s)	**结果 Result**	**方法检出限 MDL**
	002	
多氯联苯(PCBs)Polychlorinated Biphenyls(PCBs)		
一氯联苯 Monochlorobiphenyl	N.D.	5 mg/kg
二氯联苯 Dichlorobiphenyl	N.D.	5 mg/kg
三氯联苯 Trichlorobiphenyl	N.D.	5 mg/kg
四氯联苯 Tetrachlorobiphenyl	N.D.	5 mg/kg
五氯联苯 Pentachlorobiphenyl	N.D.	5 mg/kg
六氯联苯 Hexachlorobiphenyl	N.D.	5 mg/kg
七氯联苯 Heptachlorobiphenyl	N.D.	5 mg/kg
八氯联苯 Octachlorobiphenyl	N.D.	5 mg/kg
九氯联苯 Nonachlorobiphenyl	N.D.	5 mg/kg
十氯联苯 Decachlorobiphenyl	N.D.	5 mg/kg

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

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测试项目 Tested Item(s)	结果 Result 002	方法检出限 MDL
铍 Beryllium (Be)	N.D.	10 mg/kg

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

测试项目 Tested Item(s)	结果 Result 002	方法检出限 MDL
邻苯二甲酸酯 Phthalates		
邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	100 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	002	芯片 Chip

备注: **对于检测砷，铍，锑之样品已消解完全。**
-N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

Remark: **The sample(s) had been dissolved totally tested for Arsenic, Beryllium, Antimony.**
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

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。**

Note: **The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.**

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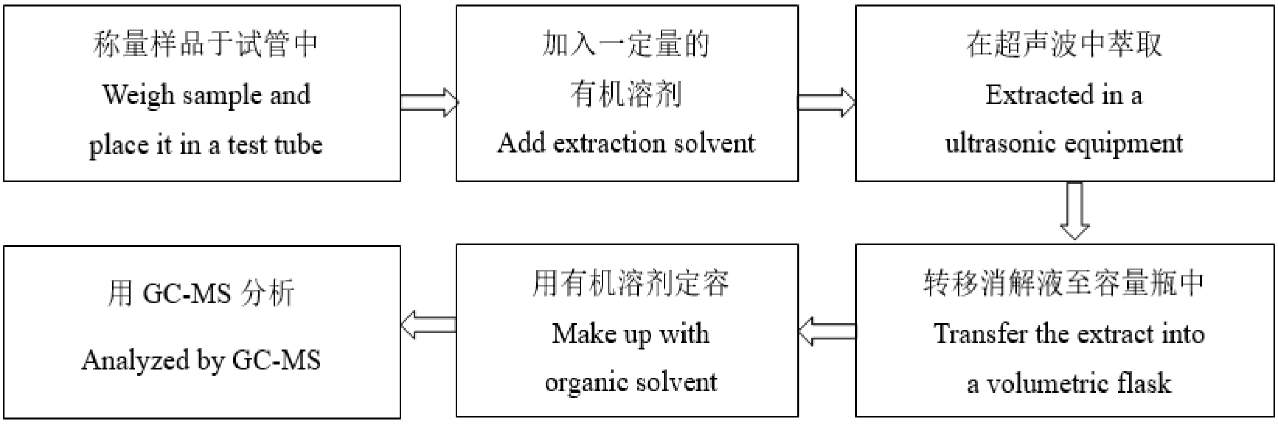
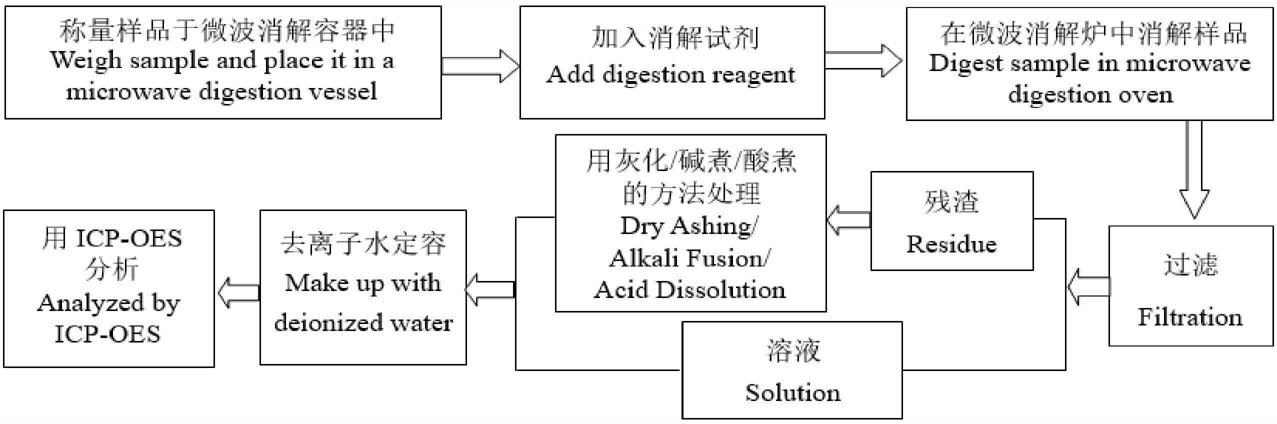
Test Report

2.3 检测流程 Test Process

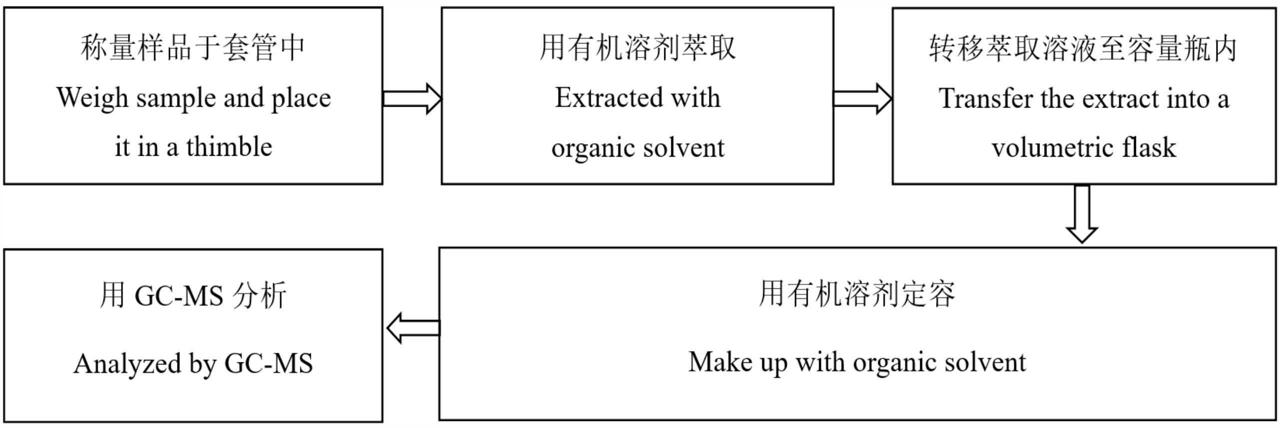
2.3.1. 多氯联苯 Polychlorinated Biphenyls(PCBs)



2.3.2. 砷 Arsenic(As), 铍 Beryllium(Be), 锑 Antimony(Sb)



2.3.3. 邻苯二甲酸酯 Phthalates



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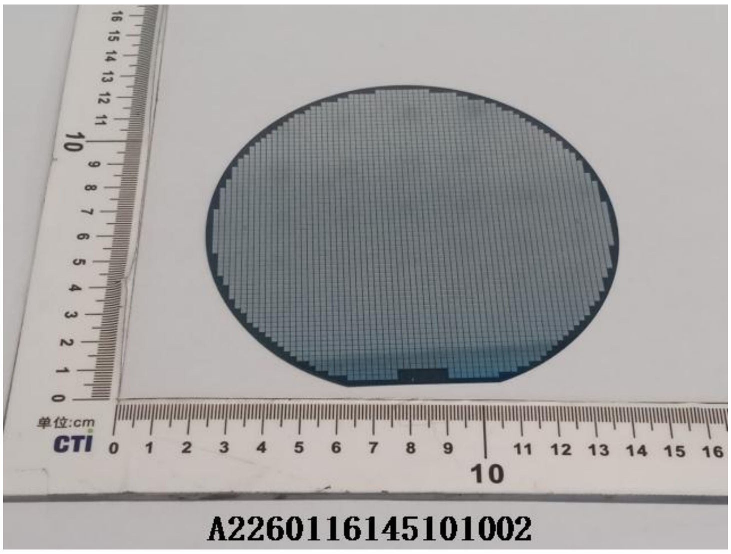
样品图片
Photo(s) of the sample(s)



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   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；
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