



检测报告 Test Report

报告编号 A2260116145101004E
Report No. A2260116145101004E

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报告抬头公司名称 江苏晟驰微电子有限公司
Company Name JIANGSU SEMICON CHAMPION MICROELECTRONICS CO.,LTD
shown on Report
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	台面晶圆
Sample Name	Mesa 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

陈凯敏

实验室经理 Lab Manager

上海华测品标检测技术有限公司

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

日 期

Date

2026.02.13

No. R794244045

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

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

测试结果

CONCLUSION

见结果页
See test result(s)
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*****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)
		004	
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-heptafluorodecyl 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-heptafluoro-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 ₂ PFDA)	27854-31-5	N.D.	0.010
四丁基磷 2H,2H-全氟癸酸酯 Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H ₂ PFDA-P(C ₄ H ₉) ₄)	882489-14-7	N.D.	0.010
H ₄ PFUnA 及其盐 H ₄ PFUnA 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-heptafluoro- (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)	方法检出限 MDL (mg/kg)
		004	
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
3,3,4,4,5,5,6,6,7,7,8,8,9,9-十五氟-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 ₂ H ₅) ₃)	98241-25-9
12		全氟辛酸四丙基铵 Tetrapropylammonium perfluorooctanoate (PFOA-NH(C ₃ H ₇) ₄)	277749-00-5
13		全氟辛酸 N,N,N-三甲基甲烷 Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C ₄ H ₁₁))	32609-65-7
14		全氟辛酸-哌嗪 Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9

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15		全氟辛酸钾水合物 Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7	
16		全氟辛酸乙胺 Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6	
17		全氟辛酸吡啶 Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C ₅ H ₅ N)	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 ₄ H 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 ₂ PFDA)	27854-31-5	

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43	--	四丁基磷 2H,2H-全氟癸酸酯 Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H ₂ PFDA-P(C ₄ H ₉) ₄)	882489-14-7
44	H ₄ PFUnA 及其盐 H ₄ PFUnA and its salts	2H,2H,3H,3H-全氟十一酸 2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnA)	34598-33-9
45		3-(全氟辛基)丙酸钾 Potassium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-K)	83310-58-1
46		2H,2H,3H,3H-全氟十一酸锂 Lithium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-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	双[2-(全氟癸基)乙基]磷酸酯 Bis[2-(perfluorodecyl)ethyl] Phosphate (10:2 diPAP)	1895-26-7
51	10:2 diPAP and its salts	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 ₄ H ₁₁ O ₂)	57677-98-2
52		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 monoPAPS 及其盐	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 monoPAPS and its salts	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 ₄ NH 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 全氟次磷酸 Bis(heptadecafluorooctyl)phosphinic acid (8:8 PFPi)	40143-79-1
60		8:8 全氟次磷酸钠盐 Sodium bis(perfluorooctyl)phosphinate (8:8 PFPi-Na)	500776-69-2
61		8:8 全氟次磷酸铒盐 Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5
62		8:8 全氟次磷酸镱盐 Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6
63	PFOPA 及其盐	全氟辛基膦酸(Perfluorooctyl)phosphonic acid (PFOPA)	40143-78-0
64	PFOPA and its salts	全氟辛基膦酸-4-甲基苯胺(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (PFOPA-C ₈ H ₉ NO)	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 全氟次磷酸 Perfluorohexylperfluorooctyl phosphinic acid (6:8 PFPi)	610800-34-5
69	6:8 PFPi and its salts	6:8 全氟次磷酸钠 Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6

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▼ 全氟辛烷磺酸(PFOS)及其盐和相关物质 Perfluorooctane 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)
		004	
PFOS 及其盐 PFOS and its salts*	-	N.D.	0.010
全氟辛烷磺酸(PFOS)及其盐 Perfluorooctane 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 Perfluorooctane 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 Perfluorooctane 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-heptafluoro-, 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铵 Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3
9		全氟辛烷磺酸四丁基铵 Tetrabutylammonium perfluorooctanesulfonate (PFOS-NH(C ₄ H ₉) ₄)	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-heptafluorooctanesulfonate	71463-74-6
12		全氟辛基磺酸四甲基铵 Tetramethylammonium perfluorooctane sulfonate (PFOS-C ₄ H ₁₂ N)	56773-44-5
13		全氟辛基磺酸二乙胺 Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
14		全氟辛基磺酸三乙胺 Triethylammonium perfluorooctane sulfonate (PFOS-C ₆ H 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 heptafluorooctane-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 heptafluorooctane-1-sulfonate (PFOS-C ₁₄ H ₃₂ N)	56773-56-9
17		全氟辛基磺酸四丁基磷 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 heptafluorooctane-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 heptafluorooctane-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

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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 Perfluorooctane 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 ₆ H 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)
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

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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-乙基全氟辛烷磺酰氨基)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	004	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
	004	
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

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

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
铍 Beryllium (Be)	N.D.	10 mg/kg

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

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
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	004	芯片 Chip

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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.**

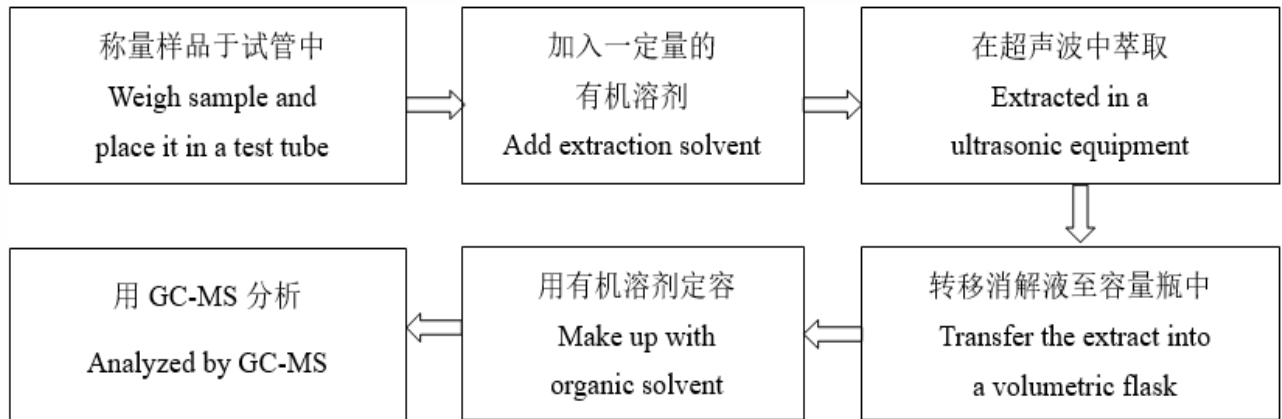
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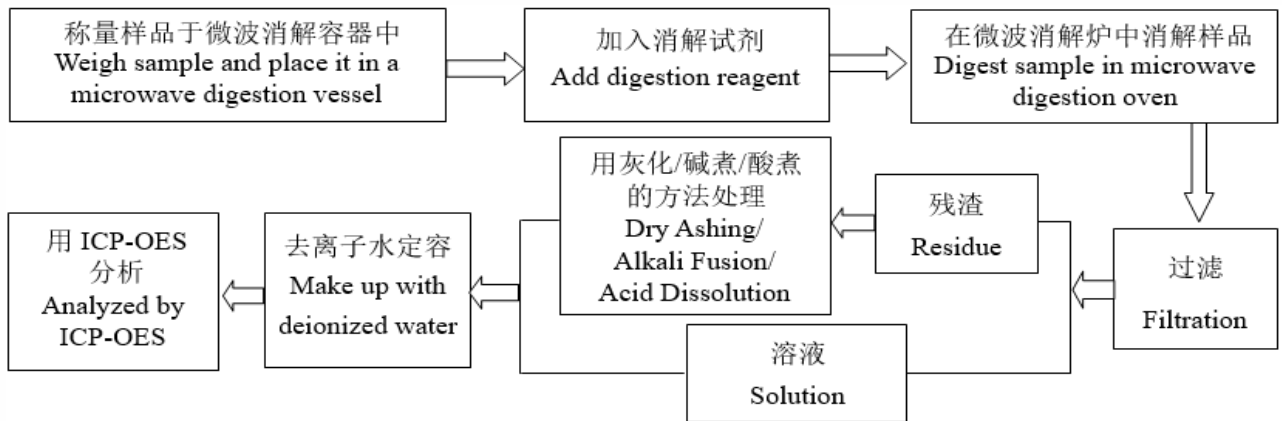
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2.3 检测流程 Test Process

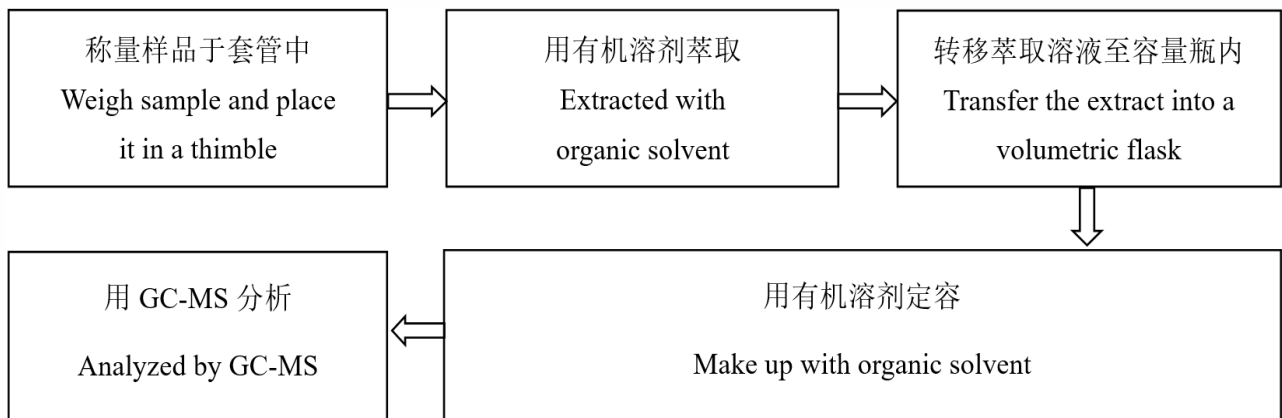
2.3.1. 多氯联苯 Polychlorinated Biphenyls(PCBs)



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



2.3.3. 邻苯二甲酸酯 Phthalates



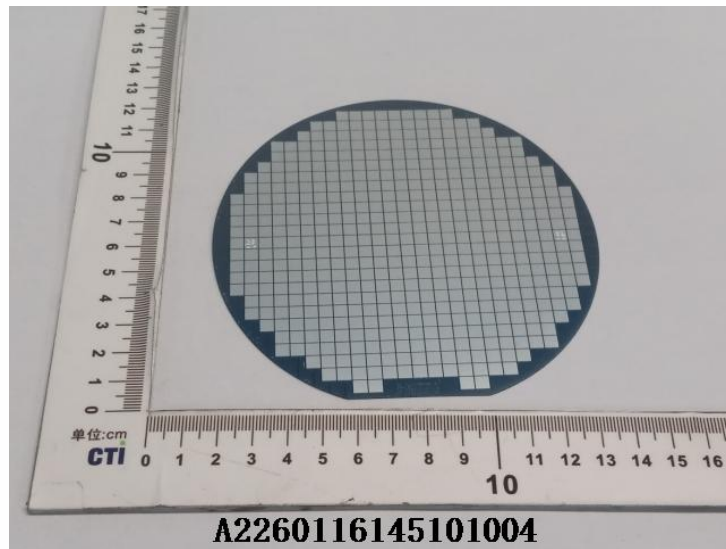
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样品图片

Photo(s) of the sample(s)



声明 Statement:

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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;
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;
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*** 报告结束 ***
*** End of Report ***