

检测报告

编号: TAOEC2308789606

日期: 2023年12月12日 第1页,共12页

客户名称: 安徽积芯微电子科技有限公司

客户地址: 中国(安徽)自由贸易试验区蚌埠片区禹会区姜桥路2999号

样品名称: 芯片封装测试产品

客户参考信息: PDFN5*6、PDFN3.3*3.3、TOLLA-8L、TO-220、TO-247、TO-252、TO-263、TO-3P

以上样品及信息由客户提供。

SGS工作编号: SHP23-020799 - QD

样品接收日期: 2023年12月05日

检测周期: 2023年12月05日 - 2023年12月12日

检测要求: 根据客户要求检测

检测方法: 请参见下一页

检测结果: 请参见下一页

通标标准技术服务(青岛)有限公司
授权签名

Zhang Bo, Justin张波
批准签署人

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检测结果:

检测样品描述:

样品编号	SGS样品ID	描述
SN1	TAO23-087896.003	带银色金属引脚的黑色本体

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

靶向233项全氟和多氟烷基化合物 (PFAS) 含量

检测方法: 优化的CEN/TS 15968:2010, 采用LC-MS或LC-MS/MS和GC-MS进行分析。

检测项目	CAS No.	Unit (s)	MDL	003
PFOS及其盐和相关物质				
全氟辛烷磺酸 (PFOS), 及其盐 [^]	1763-23-1	mg/kg	0.010	ND
N-乙基全氟辛烷磺酰胺 (N-EtFOSA)	4151-50-2	mg/kg	0.010	ND
N-甲基全氟辛烷磺酰胺 (N-MeFOSA)	31506-32-8	mg/kg	0.010	ND
2- (N-乙基全氟辛基磺酰胺)乙醇 (N-EtFOSE)	1691-99-2	mg/kg	0.010	ND
2- (N-甲基全氟辛基磺酰胺)乙醇 (N-MeFOSE)	24448-09-7	mg/kg	0.010	ND
全氟辛基磺酰胺 (PFOSA), 及其盐 [^]	754-91-6	mg/kg	0.010	ND
全氟辛烷磺酸 (PFOS)及其衍生物	-	mg/kg	-	ND
PFOA, 及其盐				
全氟辛酸 (PFOA), 及其盐 [^]	335-67-1	mg/kg	0.010	ND
PFOA相关物质				
1H, 1H, 2H, 2H-全氟癸烷磺酸 (8:2 FTS), 及其盐 [^]	39108-34-4	mg/kg	0.010	ND
全氟辛酸甲酯 (Me-PFOA)	376-27-2	mg/kg	0.100	ND
全氟辛酸乙酯 (Et-PFOA)	3108-24-5	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA)	27905-45-9	mg/kg	0.100	ND
1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)	1996-88-9	mg/kg	0.100	ND
全氟辛基碘烷 (PFOI)	507-63-1	mg/kg	0.100	ND
2H, 2H-全氟癸酸 (H ₂ PFDA/8:2 FTCA),	27854-31-5	mg/kg	0.010	ND



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检测项目	CAS No.	Unit (s)	MDL	003
及其盐 [^]				
1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH), 及其盐 [^]	678-39-7	mg/kg	0.100	ND
1-碘-1H, 1H, 2H, 2H-全氟癸烷 (8:2 FTI)	2043-53-0	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟癸基三乙氧基硅烷 (8:2 FTSi (OC ₂ H ₅) ₃)	101947-16-4	mg/kg	0.100	ND
双 (2- (全氟乙基)磷酸 (8:2diPAP)	678-41-1	mg/kg	0.010	ND
2H, 2H, 3H, 3H-全氟癸酸 (H ₄ PFUnDA/ 8:3 FTCA), 及其盐 [^]	34598-33-9	mg/kg	0.010	ND
全氟辛基乙烯 (PFDE)	21652-58-4	mg/kg	0.100	ND
3-全氟庚基丙酸 (7:3 FTCA)	812-70-4	mg/kg	0.010	ND
PFOA相关化合物总和	-	mg/kg	-	ND
C9-C14 PFCA, 及其盐				
全氟壬酸 (PFNA), 及其盐 [^]	375-95-1	mg/kg	0.010	ND
全氟癸酸 (PFDA), 及其盐 [^]	335-76-2	mg/kg	0.010	ND
全氟十一烷酸 (PFUnDA), 及其盐 [^]	2058-94-8	mg/kg	0.010	ND
全氟十二烷酸 (PFDoDA), 及其盐 [^]	307-55-1	mg/kg	0.010	ND
全氟十三烷酸 (PFTrDA), 及其盐 [^]	72629-94-8	mg/kg	0.010	ND
全氟十四烷酸 (PFTDA)	376-06-7	mg/kg	0.010	ND
全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA)	172155-07-6	mg/kg	0.010	ND
C9-C14 PFCA及其盐总和	-	mg/kg	-	ND
C9-C14 PFCA相关物质				
全氟癸烷磺酸 (PFDS), 及其盐 [^]	335-77-3	mg/kg	0.010	ND
1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)	865-86-1	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯 (10:2 FTA)	17741-60-5	mg/kg	0.100	ND
2- (全氟癸基)甲基丙烯酸乙酯 (10:2 FTMA)	2144-54-9	mg/kg	0.100	ND
1, 1, 2, 2-四氢全氟-1-十四醇 (12:2 FTOH)	39239-77-5	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟十二烷磺酸 (10:2 FTS)	120226-60-0	mg/kg	0.010	ND
全氟癸基乙基碘 (10:2 FTI)	2043-54-1	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟四环碘化物 (12:2 FTI)	30046-31-2	mg/kg	0.100	ND
全氟壬烷磺酸 (PFNS), 及其盐 [^]	68259-12-1	mg/kg	0.010	ND
全氟十一烷磺酸 (PFUnDS), 及其盐 [^]	749786-16-1 / 441296-91-9 (anion)	mg/kg	0.010	ND
全氟十二烷磺酸 (PFDoDS), 及其盐 [^]	79780-39-5	mg/kg	0.010	ND
全氟十三烷磺酸 (PFTrDS), 及其盐 [^]	791563-89-8	mg/kg	0.010	ND
双[2- (全氟癸基)乙基]磷酸盐 (10:2	1895-26-7	mg/kg	0.100	ND



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检测项目	CAS No.	Unit (s)	MDL	003
diPAP)				
1-碘全氟癸烷 (PFDI)	423-62-1	mg/kg	0.100	ND
全氟碘代十二烷 (PFDoDI)	307-60-8	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟癸烷磺酸 (8:2 FTS), 及其盐^	39108-34-4	mg/kg	0.010	ND
1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA)	27905-45-9	mg/kg	0.100	ND
1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)	1996-88-9	mg/kg	0.100	ND
2H, 2H-全氟癸酸 (H ₂ PFDA/8:2 FTCA)	27854-31-5	mg/kg	0.010	ND
1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)	678-39-7	mg/kg	0.100	ND
1-碘-1H, 1H, 2H, 2H-全氟癸烷 (8:2 FTI)	2043-53-0	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟癸基三乙氧基硅烷 (8:2 FTSi (OC ₂ H ₅) ₃)	101947-16-4	mg/kg	0.100	ND
双 (2- (全氟乙基)磷酸 (8:2diPAP), 及其盐^	678-41-1	mg/kg	0.010	ND
2H, 2H, 3H, 3H-全氟癸酸 (H ₄ PFUnDA/8:3 FTCA), 及其盐^	34598-33-9	mg/kg	0.010	ND
全氟辛基乙烯 (PFDE)	21652-58-4	mg/kg	0.100	ND
C9-C14 PFCA相关物质总和	-	mg/kg	-	ND
PFHxS, 及其盐				
全氟己基磺酸 (PFHxS), 及其盐^	355-46-4	mg/kg	0.010	ND
PFHxS相关物质				
N-甲基全氟-1-己磺酰胺 (N-Me-PFHxSA)	68259-15-4	mg/kg	0.010	ND
全氟己烷磺酰胺 (PFHxSA)	41997-13-1	mg/kg	0.010	ND
N-[3- (二甲基氨基)丙基]十三氟己磺酰胺 (N-AP-FHxSA)	50598-28-2	mg/kg	0.010	ND
2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯 (N-MeFHSEA)	67584-57-0	mg/kg	0.500	ND
2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	mg/kg	0.100	ND
2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	mg/kg	0.100	ND
十三氟-N- (2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9	mg/kg	0.010	ND
N-乙基-N-[(十三氟己基)磺酰基]甘氨酸	68957-32-4	mg/kg	0.010	ND
PFHxS相关物质总和				
其它PFAS				
全氟己酸 (PFHxA), 及其盐^	307-24-4	mg/kg	0.010	ND
全氟丁酸 (PFBA), 及其盐^	375-22-4	mg/kg	0.010	ND
全氟丁磺酸 (PFBS), 及其盐^	375-73-5	mg/kg	0.010	ND
全氟戊酸 (PFPeA), 及其盐^	2706-90-3	mg/kg	0.010	ND
全氟庚酸 (PFHpA), 及其盐^	375-85-9	mg/kg	0.010	ND



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全氟庚烷磺酸 (PFHpS), 及其盐^	375-92-8	mg/kg	0.010	ND
7H-十二氟庚酸 (HPFHpA), 及其盐^	1546-95-8	mg/kg	0.010	ND
1H, 1H, 2H, 2H-全氟辛磺酸 (6:2 FTS), 及其盐^	27619-97-2	mg/kg	0.010	0.653
1H, 1H, 2H, 2H-全氟辛基丙烯酸酯 (6:2 FTA)	17527-29-6	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟-1-己醇 (4:2 FTOH)	2043-47-2	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟-1-辛醇 (6:2 FTOH)	647-42-7	mg/kg	0.100	ND
2, 3, 3, 3-四氟-2- (七氟丙氧基)丙酸 (HFPO-DA), 及其盐^	13252-13-6	mg/kg	0.010	ND
1H, 1H, 2H, 2H-全氟己烷磺酸 (4:2 FTS), 及其盐^	757124-72-4	mg/kg	0.010	ND
N- (全氟-1-辛烷磺酰基)甘氨酸 (FOSAA)	2806-24-8	mg/kg	0.010	ND
N-甲基-N- (全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9	mg/kg	0.010	ND
N-乙基-N- (全氟-1-辛烷磺酰基)甘氨酸 (N-EtFOSAA)	2991-50-6	mg/kg	0.010	ND
全氟戊磺酸 (PFPeS), 及其盐^	2706-91-4	mg/kg	0.010	ND
2-全氟己基乙酸 (6:2 FTCA)	53826-12-3	mg/kg	0.010	ND
3-全氟戊基丙酸 (5:3 FTCA)	914637-49-3	mg/kg	0.010	ND
全氟正十六酸 (PFHxDA)	67905-19-5	mg/kg	0.010	ND
全氟正十八酸 (PFODA)	16517-11-6	mg/kg	0.010	ND
1H, 1H, 2H, 2H-甲基丙烯酸全氟辛酯 (6:2 FTMA)	2144-53-8	mg/kg	0.100	ND
4, 8-二氧-3H-全氟壬酸 (ADONA)	919005-14-4	mg/kg	0.010	ND
全氟-3-甲氧基丙酸 (PFMPA)	377-73-1	mg/kg	0.010	ND
全氟-4-甲氧基丁酸 (PFMBA)	863090-89-5	mg/kg	0.010	ND
全氟-3, 6-二氧杂庚酸 (NFDHA)	151772-58-6	mg/kg	0.010	ND
9-氯十六氟-3-氧代壬烷-1-磺酸 (9Cl-PF3ONS)	756426-58-1	mg/kg	0.010	ND
11-氯二十碳氟-3-氧十一烷-1-磺酸 (11Cl-PF3OUdS)	763051-92-9	mg/kg	0.010	ND
全氟 (2-乙氧基乙烷)磺酸 (PFEESA)	113507-82-7	mg/kg	0.010	ND
3-全氟丙基丙酸 (3:3 FTCA)	356-02-5	mg/kg	0.010	ND
全氟十五烷酸 (PFPeDA)	141074-63-7	mg/kg	0.100	ND
1H, 1H, 2H, 2H-全氟己基甲基丙烯酸酯 (4:2 FTMA)	1799-84-4	mg/kg	0.100	ND
2- (N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC)	423-82-5	mg/kg	0.100	ND
全氟辛基三乙氧基硅烷 (POTS)	51851-37-7	mg/kg	0.100	ND
1-碘-1H, 1H, 2H, 2H-全氟辛烷 (6:2 FTI)	2043-57-4	mg/kg	0.100	ND
九氟丁烷磺酰胺	30334-69-1	mg/kg	0.100	ND
N- (2-羟乙基)-N-甲基全氟丁烷磺酰胺	34454-97-2	mg/kg	0.010	ND



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检测项目	CAS No.	Unit (s)	MDL	003
(PFBS-NC ₃ H ₈ O)				
11H-全氟十一烷酸 (11H-PFUnDA), 及其盐 [^]	1765-48-6	mg/kg	0.100	ND

备注:

1. [^]=物质是指附表中列出的盐/衍生物。

物质名称	CAS No.
PFOS, 及其盐&衍生物	
全氟辛烷磺酸 (PFOS)	1763-23-1
全氟辛基磺酸钾 (PFOS-K)	2795-39-3
全氟辛基磺酸锂 (PFOS-Li)	29457-72-5
全氟辛基磺酸钠 (PFOS-Na)	4021-47-0
全氟辛基磺酸铵 (PFOS-NH ₄)	29081-56-9
全氟辛基磺酸二乙醇铵 (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
全氟辛基磺酸四乙基铵 (PFOS-N (C ₂ H ₅) ₄)	56773-42-3
全氟辛基磺酸二癸二甲基铵 (PFOS-N (C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8
全氟辛基磺酰氟 (PFOS-F)	307-35-7
双[十七氟辛烷磺酸]镁 (POSF-Mg)	91036-71-4
全氟辛烷磺酸哌啶	71463-74-6
PFOSA, 及其盐	
全氟辛基磺酰胺 (PFOSA)	754-91-6
全氟辛基磺酰胺锂盐 (1:1) (PFOSA-Li)	76752-79-9
PFOA, 及其盐&衍生物	
全氟辛酸 (PFOA)	335-67-1
全氟辛酸钠 (PFOA-Na)	335-95-5
全氟辛酸钾 (PFOA-K)	2395-00-8
全氟辛酸银 (PFOA-Ag)	335-93-3
全氟辛酰氟 (PFOA-F)	335-66-0
全氟辛酸铵 (APFO)	3825-26-1
全氟辛酸锂 (PFOA-Li)	17125-58-5
8:2 FTS, 及其盐	
1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS)	39108-34-4
1H,1H,2H,2H-全氟癸磺酸钾 (8:2 FTS-K)	438237-73-1
1H,1H,2H,2H-全氟癸磺酸铵 (8:2 FTS-NH ₄)	149724-40-3
1H,1H,2H,2H-全氟癸磺酸钠 (8:2 FTS-Na)	27619-96-1
H₂PFDA/8:2 FTCA, 及其盐	
2H,2H-全氟癸酸 (H ₂ PFDA/8:2 FTCA)	27854-31-5
四丁基磷 2H,2H-全氟癸酸酯 (8:2 FTCA-P (C ₄ H ₉) ₄)	882489-14-7
8:2diPAP, 及其盐	



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双 (2- (全氟乙基))磷酸 (8:2diPAP)	678-41-1
双 (2- (全氟乙基))磷酸钠 (8:2diPAP-Na)	114519-85-6
H₄PFUnDA/ 8:3 FTCA, 及其盐	
2H,2H,3H,3H-全氟癸酸 (H ₄ PFUnDA/ 8:3 FTCA)	34598-33-9
2H,2H,3H,3H-全氟十一烷酸钾 (H ₄ PFUnDA-K)	83310-58-1
PFNA, 及其盐	
全氟壬酸 (PFNA)	375-95-1
全氟壬酸钠 (PFNA-Na)	21049-39-8
全氟壬酸铵 (PFNA-NH ₄)	4149-60-4
全氟壬酸钾 (PFNA-K)	21049-38-7
全氟壬酸锂 (PFNA-Li)	60871-92-3
全氟壬酸银 (PFNA-Ag)	7358-16-9
PFDA, 及其盐	
全氟癸酸 (PFDA)	335-76-2
全氟癸酸钠 (PFDA-Na)	3830-45-3
全氟癸酸铵 (PFDA-NH ₄)	3108-42-7
全氟癸酸钾 (PFDA-K)	51604-85-4
全氟癸酸银 (PFDA-Ag)	5784-82-7
全氟癸酸锂 (PFDA-Li)	84743-32-8
PFUnDA, 及其盐	
全氟十一烷酸 (PFUnDA)	2058-94-8
全氟十一烷酸钠 (PFUnDA-Na)	60871-96-7
全氟十一烷酸铵 (PFUnDA-NH ₄)	4234-23-5
全氟十一烷酸钾 (PFUnDA-K)	30377-53-8
全氟十一烷酸钙 (PFUnDA-Ca)	97163-17-2
PFDODA, 及其盐	
全氟十二烷酸 (PFDODA)	307-55-1
全氟十二烷酸铵 (PFDODA-NH ₄)	3793-74-6
全氟十二烷酸钠 (PFDODA-Na)	60872-01-7
PFTrDA, 及其盐	
全氟十三烷酸 (PFTrDA)	72629-94-8
全氟十三烷酸铵 (PFTrDA-NH ₄)	4288-72-6
全氟十四烷酸 (PFTDA)	376-06-7
全氟-3,7-二甲基辛酸 (PF-3,7-DMOA)	172155-07-6
PFDS, 及其盐	
全氟癸烷磺酸 (PFDS)	335-77-3
全氟癸烷磺酸钠 (PFDS-Na)	2806-15-7
全氟癸烷磺酸钾 (PFDS-K)	2806-16-8
全氟癸基磺酸铵 (PFDS-NH ₄)	67906-42-7
PFNS, 及其盐	



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全氟壬烷磺酸 (PFNS)	68259-12-1
全氟壬烷磺酸钠 (PFNS-Na)	98789-57-2
全氟壬烷磺酸铵 (PFNS-NH ₄)	17202-41-4
全氟磺酸钾 (PFNS-K)	29359-39-5
PFD_oDS, 及其盐	
全氟十二烷磺酸 (PFD _o DS)	79780-39-5
全氟十二烷磺酸钠 (PFD _o DS-Na)	1260224-54-1
PFTrDS, 及其盐	
全氟十三烷磺酸 (PFTrDS)	791563-89-8
全氟十三烷磺酸钠 (PFTrDS-Na)	174675-49-1
PFHxS, 及其盐&衍生物	
全氟己基磺酸 (PFHxS)	355-46-4
全氟己基磺酸钠 (PFHxS-Na)	82382-12-5
全氟己基磺酸钾 (PFHxS-K)	3871-99-6
全氟己基磺酸锂 (1:1) (PFHxS-Li)	55120-77-9
全氟己基磺酸铵 (PFHxS-NH ₄)	68259-08-5
全氟己基磺酸三苯基 (苯基甲基)-磷鎓盐 (PFHxS-BTPP)	1000597-52-3
N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐 (PFHxS-N (C ₄ H ₉) ₄)	108427-54-9
N,N,N-三乙基乙胺全氟己基磺酸盐 (PFHxS-N (C ₂ H ₅) ₄)	108427-55-0
全氟己基磺酸与四氢吡咯络合物 (PFHxS-NC ₄ H ₉)	1187817-57-7
全氟-1-己基磺酸-N-[4-[[4- (二乙基氨基) 苯基][4- (乙基氨基)-1-萘基] 亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐 (PFHxS- (NC ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0
全氟-1-己基磺酸-N-[4-[[4- (二甲基氨基) 苯基][4- (乙基氨基)-1-萘基] 亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐 (PFHxS- (NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂)	1310480-27-3
全氟-1-己基磺酸-N-[4-[[4- (二甲基氨基) 苯基][4- (苯基氨基)-1-萘基] 亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐 (PFHxS- (NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂)	1310480-28-4
全氟己基磺酸与 β-环糊精络合物 (PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0
全氟己基磺酸与 γ-环糊精络合物 (PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8
全氟己基磺酸三苯基硫鎓盐 (TPS-PFHxS)	144116-10-9
全氟己基磺酸喹啉, 1- (羧甲基)-4-[2-[4- (2,2-二苯基噻吩基) 苯基]-1,2,3a,4,8b-六氢环戊并[b]吡啶-7-基]乙烯基]盐 (PFHxS-C ₄₄ H ₃₇ N ₂ O ₂)	1462414-59-0
全氟己基磺酸二苯基碘鎓盐 (PFHxS-I (C ₆ H ₅) ₂)	153443-35-7
N,N,N-三甲基-全氟己基磺酸甲基铵盐 (PFHxS-TMA)	189274-31-5
全氟己基磺酸与 2-甲基-2-丙胺络合物 (1:1) (PFHxS-NH ₂ (CH ₃) ₃)	202189-84-2
全氟己基磺酸双[4- (1,1-二甲基乙基) 苯基]碘鎓盐 (PFHxS-I (C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	213740-81-9
全氟己基磺酸镓 (9Cl) (PFHxS-Ga)	341035-71-0
全氟己基磺酸双 (4-甲基苯基) 苯基硫鎓盐 (1:1) (PFHxS-S (C ₇ H ₇) ₂ C ₆ H ₅)	341548-85-4
全氟己基磺酸铈 (PFHxS-Sc)	350836-93-0
全氟己基磺酸钕 (PFHxS-Nd)	41184-65-0
全氟己基磺酸钇 (PFHxS-Y)	41242-12-0



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全氟己基磺酸 (硫代二-4,1-亚苯基)双[二苯基]硫鎓盐 (PFHxS-S3 (C ₆ H ₅) ₄ (C ₆ H ₄) ₂)	421555-73-9
全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐 (PFHxS-I (C ₆ H ₄) ₂ (C ₅ H ₁₁) ₂)	421555-74-0
全氟己基磺酰氟 (PFHxS-F)	423-50-7
全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐 (PFHxS-S (C ₆ H ₄) ₃ (C ₄ H ₉) ₃)	425670-70-8
全氟己基磺酸锌 (PFHxS-Zn)	70136-72-0
全氟己基磺酸与 2,2'-亚氨基二乙醇络合物 (PFHxS-NH (C ₂ H ₅ O) ₂)	70225-16-0
全氟己基磺酸与三乙胺络合物 (1:1) (PFHxS-N (C ₂ H ₅) ₃)	72033-41-1
全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐 (PFHxS-I (C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	866621-50-3
全氟己基磺酸 (4-甲基苯基)二苯硫鎓盐 (PFHxS-S (C ₆ H ₅) ₂ C ₇ H ₇)	910606-39-2
全氟己基磺酸[4-(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐 (PFHxS-S (C ₆ H ₅) ₂ C ₁₀ H ₉ O ₂)	911027-68-4
全氟己基磺酸铯 (1:1) (PFHxS-Cs)	92011-17-1
二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐 (PFHxS-SC ₂₈ H ₃₁ O ₄)	928049-42-7
全氟己基磺酰氯 (PFHxS-Cl)	55591-23-6
PFHxS-磺酸酯聚合物	911027-69-5
PFHxA, 及其盐&衍生物	
全氟己酸 (PFHxA)	307-24-4
全氟己酸铵 (APFHx)	21615-47-4
全氟己酸钠 (PFHxA-Na)	2923-26-4
全氟己酸钾 (PFHxA-K)	3109-94-2
全氟己酰氟 (PFHxA-F)	355-38-4
全氟己酸银 (PFHxA-Ag)	336-02-7
全氟己酸锂 (PFHxA-Li)	90430-61-8
PFBA, 及其盐	
全氟丁酸 (PFBA)	375-22-4
七氟丁酸铵 (PFBA-NH ₄)	10495-86-0
七氟丁酸钠 (PFBA-Na)	2218-54-4
七氟丁酸钾 (PFBA-K)	2966-54-3
七氟丁酸银 (PFBA-Ag)	3794-64-7
全氟丁酸锂 (PFBA-Li)	4146-76-3
PFBS, 及其盐&衍生物	
全氟丁磺酸 (PFBS)	375-73-5
全氟丁基磺酸钾 (PFBS-K)	29420-49-3
全氟丁基磺酸水合物 (PFBS-H ₂ O)	59933-66-3
九氟-1-丁烷磺酸锂 (PFBS-Li)	131651-65-5
全氟丁基磺酸三苯基铊盐 (TPS-PFBS)	144317-44-2
全氟丁基磺酸二甲基 (苯基)铊 (PFBS-S (CH ₃) ₂ C ₆ H ₅)	220133-51-7
全氟丁基磺酸四丁基磷 (PFBS-P (C ₄ H ₉) ₄)	220689-12-3



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N,N,N-三乙基乙醇胺全氟丁基磺酸 (PFBS-N (C ₂ H ₅) ₄)	25628-08-4
全氟丁基磺酰氟 (PFBS-F)	375-72-4
全氟丁基磺酸吗啉 (PFBS-NC ₄ H ₉ O)	503155-89-3
全氟丁基磺酸镁 (PFBS-Mg)	507453-86-3
全氟丁基磺酸铵 (PFBS-NH ₄)	68259-10-9
1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐 (PFBS-SC ₁₈ H ₂₃ O)	209482-18-8
全氟丁基磺酰氯 (PFBS-Cl)	2991-84-6
全氟丁基磺酸钠 (PFBS-Na)	60453-92-1
全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓 (PFBS-I (C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	194999-85-4
1,1,2,2,3,4,4,4- 一氟丁烷-1-磺酸与 2,2'-亚氨基二乙醇的化合物 (1:1) (PFBS-NH (C ₂ H ₅ O) ₂)	70225-18-2
PFPeA, 及其盐	
全氟戊酸 (PFPeA)	2706-90-3
全氟戊酸钠 (PFPeA-Na)	2706-89-0
全氟戊酸钾 (PFPeA-K)	336-23-2
全氟戊酸锂 (PFPeA-Li)	198482-22-3
全氟戊酸银 (PFPeA-Ag)	2795-30-4
全氟戊酸铵 (PFPeA-NH ₄)	68259-11-0
HPFHpA, 及其盐	
7H-十二氟庚酸 (HPFHpA)	1546-95-8
7H-十二氟庚酸钠 (HPFHpA-Na)	2264-25-7
7H-十二氟庚酸铵 (HPFHpA-NH ₄)	376-34-1
PFHpS, 及其盐	
全氟庚烷磺酸 (PFHpS)	375-92-8
全氟庚基磺酸钠 (PFHpS-Na)	21934-50-9
全氟庚基磺酸钾 (PFHpS-K)	60270-55-5
全氟庚磺酸铵 (PFHpS-NH ₄)	68259-07-4
全氟庚烷磺酸锂 (PFHpS-Li)	117806-54-9
PFHpA, 及其盐	
全氟庚酸 (PFHpA)	375-85-9
全氟庚酸钠 (PFHpA-Na)	20109-59-5
全氟庚酸钾 (PFHpA-K)	21049-36-5
全氟庚酸铵 (PFHpA-NH ₄)	6130-43-4
全氟庚酸铯 (PFHpA-Cs)	171198-24-6
全氟庚酸银 (PFHpA-Ag)	424-05-5
全氟庚酸锂 (PFHpA-Li)	60871-90-1
6:2 FTS, 及其盐	
1H,1H,2H,2H-全氟辛磺酸 (6:2 FTS)	27619-97-2
1H,1H,2H,2H-全氟辛烷磺酸钠 (6:2 FTS-Na)	27619-94-9
1H,1H,2H,2H-全氟辛烷磺酸钾 (6:2 FTS-K)	59587-38-1



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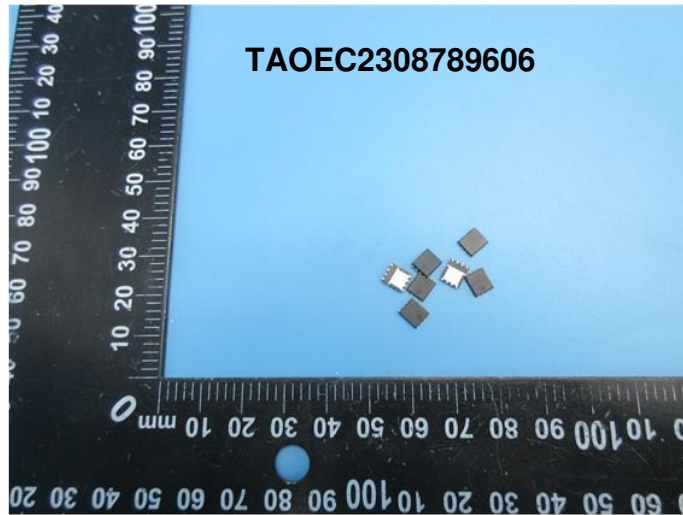
1H,1H,2H,2H-全氟辛烷磺酸铵 (6:2 FTS-NH ₄)	59587-39-2
1H,1H,2H,2H-全氟辛烷磺酸钡 (6:2 FTS-Ba)	1807944-82-6
HFPO-DA, 及其盐&衍生物	
2,3,3,3-四氟-2- (七氟丙氧基)丙酸 (HFPO-DA)	13252-13-6
2,3,3,3-四氟-2- (七氟丙氧基)丙酸铵 (HFPO-DA-NH ₄)	62037-80-3
2,3,3,3-四氟-2- (七氟丙氧基)丙酸钾 (HFPO-DA-K)	67118-55-2
2,3,3,3-四氟-2- (七氟丙氧基)丙酸酰基氟化物 (HFPO-DA-F)	2062-98-8
4:2 FTS, 及其盐	
1H,1H,2H,2H-全氟己烷磺酸 (4:2 FTS)	757124-72-4
1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8
N- (全氟-1-辛烷磺酰基)甘氨酸 (FOSAA)	2806-24-8
N-甲基-N- (全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9
N-乙基-N- (全氟-1-辛烷磺酰基)甘氨酸 (N-EtFOSAA)	2991-50-6
PFPeS, 及其盐	
全氟戊磺酸 (PFPeS)	2706-91-4
全氟戊磺酸钠 (PFPeS-Na)	630402-22-1
全氟戊磺酸钾 (PFPeS-K)	3872-25-1
全氟辛烷磺酸铵 (PFPeS-NH ₄)	68259-09-6
11H-PFUnDA, 及其盐	
11H-全氟十一烷酸 (11H-PFUnDA)	1765-48-6
11H-全氟十一烷酸钾 (11H-PFUnDA-K)	307-71-1
11H-全氟十一烷酸铵 (11H-PFUnDA-NH ₄)	5081-02-7

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