检测报告
(PFAS)

编号：CANEC26027365602　　**日期：**2026 年 09 月 29 日　　

客户名称：　建滔积层板控股有限公司
客户地址：　香港新界沙田安耀街三號匯達大厦二十三樓

样品名称：　FR-4.1
型号：　PI-515G

以上样品及信息由客户提供。

SGS 工作编号：　GZP26-030668
样品接收时间：　2026 年 09 月 22 日
检测周期：　2026 年 09 月 22 日 ~ 2026 年 09 月 29 日
检测要求：　根据客户要求检测
检测方法：　见后续页。
检测结果：　见后续页。

总结：

725 项全氟和多氟烷基化合物 (PFAS) 含量	符合

通标标准技术服务有限公司广州分公司
授权签名

叶士龙

Arsene Ye 叶士龙
批准签署人

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检测样品：

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	CAN26-0273656-0001.C001	双面覆铜板

725 项全氟和多氟烷基化合物 (PFAS) 含量

检测方法：
优化的 EN 17681-1:2025，采用 LC-MS 或 LC-MS/MS 和 GC-MS 或 GC-MS/MS 进行分析。

检测结果：（PFAS 清单中的物质）

物质名称	CAS No.	A1 浓度 (mg/kg)	MDL (mg/kg)
所有检测清单中的 PFAS	-	ND	-

备注：
(1) 上表仅显示检测到的 PFAS，未报告低于 MDL 的 PFAS。有关已测试的 PFAS 的完整清单，请参阅附录。
(2) MDL= 方法检出限，ND = 未检出(低于 MDL)
(3) 基于客户的检测要求，禁用目标 PFAS。如果 PFAS 被检出，建议参考相关的法规确认 PFAS 的对应要求。
(4) ^=物质是指附录中列出的盐/衍生物。
(5) 结论仅针对报告上的物质清单。
除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。本报告未经本公司书面许可，不可部分复制。
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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(1) PFAS 及其盐类和衍生物清单

No.	组名	物质名称	CAS No.	MDL (mg/kg)
1	PFOS, 及其盐&衍生物	全氟辛烷磺酸(PFOS)	1763-23-1	0.010
2		全氟辛基磺酸钾(PFOS-K)	2795-39-3	--
3		全氟辛基磺酸锂(PFOS-Li)	29457-72-5	--
4		全氟辛基磺酸钠(PFOS-Na)	4021-47-0	--
5		全氟辛基磺酸铵(PFOS-NH_4)	29081-56-9	--
6		全氟辛基磺酸二乙醇铵(PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	--
7		全氟辛基磺酸四乙基铵(PFOS-$N(C_2H_5)_4$)	56773-42-3	--
8		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	--
9		全氟辛基磺酸四丁基铵(PFOS-$N(C_4H_9)_4$)	111873-33-7	--
10		全氟辛基磺酰氟(PFOS-F)	307-35-7	--
11		双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4	--
12		全氟辛烷磺酸哌啶	71463-74-6	--
13		全氟辛烷磺酸盐	45298-90-6	--
14		全氟辛烷磺酸三乙基铵(PFOS-$NH(C_2H_5)_3$)	54439-46-2	--
15		全氟辛烷磺酸四甲基铵(PFOS-$N(CH_3)_4$)	56773-44-5	--
16		N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9	--
17		N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0	--
18		双[4-(1,1-二甲基乙基)苯基]-碘鎓与全氟-1-辛烷磺酸的盐(1:1)	213740-80-8	--
19		全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)锍	258341-99-0	--
20		全氟-1-辛烷磺酸 1-十六烷基吡啶鎓	334529-63-4	--
21		N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐	773895-92-4	--
22		全氟辛烷磺酸四丁基鏻 (PFOS-P $(C_4H_9)_4$))	2185049-59-4	--
23		全氟辛基磺酸二乙胺 (PFOS-$C_4H_{11}N$)	2205029-08-7	--
24		全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3	--
25		全氟辛基磺酸酐(PFOSAN)	423-92-7	--
26		全氟辛基磺酰氯(PFOS-Cl)	423-60-9	--
27	FOSAA, 及其盐	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	0.010
28		全氟辛烷磺酰氨基乙酸盐 (FOSAA(anion))	909405-47-6	--
29		全氟辛烷磺酰氨基乙酸钾 (FOSAA-K)	75260-69-4	--
30		全氟辛烷磺酰氨基乙酸钠 (FOSAA-Na)	115716-87-5	--
31	N-MeFOSAA, 及其盐	N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9	0.010
32		N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 (N-Me-FOSAA(anion))	909405-48-7	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
33		N-(十七氟辛基磺酰基)-N-甲基甘氨酸钾 (N-Me-FOSAA-K)	70281-93-5	--
34		六氯环己烷(N-甲基-(N-(全氟辛基磺酰)甘氨酸根-O1:O1'))二羟基三铬	97298-47-0	--
35	N-EtFOSAA，及其盐	N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6	0.010
36		N-乙基-N-[(十七烷氟辛基)磺酰基]-甘氨酸钾盐 (N-Et-FOSAA-K)	2991-51-7	--
37		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-Et-FOSAA(anion))	909405-49-8	--
38		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-Et-FOSAA-NH_4)	2991-52-8	--
39		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-Et-FOSAA-Na)	3871-50-9	--
40		二水四氯[μ-[N-乙基-N-[(全氟辛基)磺酰]甘氨酸根-O1:O1']]-μ-羟基双[2-甲基丙醇]二铬	68891-96-3	--
41	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	0.010
42	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	0.010
43	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	0.010
44	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	0.010
45	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	0.010
46		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
47		全氟辛基磺酰胺钠盐 (1:1) (PFOSA-Na)	76752-78-8	--
48		全氟辛基磺酰胺钾盐 (1:1) (PFOSA-K)	76752-70-0	--
49		全氟辛基磺酰胺铵盐 (1:1) (PFOSA-NH_4)	76752-72-2	--
50		全氟辛基磺酰胺三乙胺 (PFOSA-$C_6H_{15}N$)	76752-82-4	--
51	PFOA, 及其盐&衍生物	全氟辛酸(PFOA)	335-67-1	0.010
52		全氟辛酸钠(PFOA-Na)	335-95-5	--
53		全氟辛酸钾(PFOA-K)	2395-00-8	--
54		全氟辛酸银(PFOA-Ag)	335-93-3	--
55		全氟辛酰氟(PFOA-F)	335-66-0	--
56		全氟辛酸铵(APFO)	3825-26-1	--
57		全氟辛酸锂(PFOA-Li)	17125-58-5	--
58		全氟辛酸钴(PFOA-Co)	35965-01-6	--
59		全氟辛酸铯(PFOA-Cs)	17125-60-9	--
60		全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6	--
61		全氟辛酸-哌嗪(2:1) (PFOA-NH($C_4H_{10}N$))	423-52-9	--
62		全氟辛酸盐	45285-51-6	--
63		全氟辛酸酐	33496-48-9	--
64		全氟辛酸四乙基胺	98241-25-9	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
65		全氟辛酸四甲基胺	32609-65-7	--
66		全氟辛酸四丙基胺	277749-00-5	--
67		全氟辛酸钾水合物 (PFOA-K(H_2O)$_2$)	98065-31-7	--
68		全氟辛酸乙胺 (PFOA-C_2H_7N)	1376936-03-6	--
69		全氟辛酸吡啶 (PFOA-C_5H_5N)	95658-47-2	--
70		全氟辛酸苯基哌嗪 (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--
71		全氟辛酸辛基三甲基铵 (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
72		全氟辛酰氯 (PFOA-Cl)	335-64-8	--
73		全氟辛酰溴(PFOA-Br)	222037-87-8	--
74	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
75		1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
76		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH_4)	149724-40-3	--
77		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
78		1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7	--
79		1H,1H,2H,2H-全氟癸磺酰氯 (8:2 FTS-Cl)	27619-90-5	--
80	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.200
81	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.200
82	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	0.100
83	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	0.100
84	--	全氟辛基碘烷(PFOI)	507-63-1	0.200
85	8:2 FTCA, 及其盐	2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5	0.010
86		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C_4H_9)$_4$)	882489-14-7	--
87	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
88	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)	2043-53-0	0.100
89	--	1H,1H,2H,2H-全氟癸基三乙氧基硅烷(8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	0.100
90	8:2diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)	678-41-1	0.010
91		双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)	114519-85-6	--
92		双(2-羟乙基)铵双(全氟辛基)乙基)磷酸氢	57677-97-1	--
93		双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH_4)	93776-20-6	--
94		8:2 氟调聚物磷酸二酯离子	1411713-91-1	--
95	8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9	0.010
96		2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1	--
97		2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8	--
98	--	全氟辛基乙烯(PFDE)	21652-58-4	0.100
99	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
100	--	1H,1H,2H,2H-全氟癸基三氯硅烷	78560-44-8	0.100
101	--	1H,1H,2H,2H-全氟癸基三甲氧基硅烷	83048-65-1	
102	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	0.010
103	--	6:8 全氟次膦酸(6:8 PFPi)	610800-34-5	0.010
104	8:8 PFPi, 及其盐	8:8 全氟次膦酸 (8:8 PFPi)	40143-79-1	0.010
105		8:8 全氟次膦酸钠盐 (8:8 PFPi-Na)	500776-69-2	--
106		8:8 全氟次膦酸铒(3+)盐 (8:8 PFPi-Er)	500776-70-5	--
107		8:8 全氟次膦酸镱(3+)盐 (8:8 PFPi-Yb)	500776-71-6	--
108	--	1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)	37858-04-1	0.100
109	8:2 monoPAP ,及其盐	单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP)	57678-03-2	0.100
110		8:2 氟调聚物磷酸二铵盐	93857-44-4	--
111		8:2 氟调聚物磷酸钠盐	438237-75-3	--
112		双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0	--
113		单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0	--
114		单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0	--
115		单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6	--
116		单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8	--
117	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
118		全氟壬酸钠(PFNA-Na)	21049-39-8	--
119		全氟壬酸铵(PFNA-NH_4)	4149-60-4	--
120		全氟壬酸钾(PFNA-K)	21049-38-7	--
121		全氟壬酸锂(PFNA-Li)	60871-92-3	--
122		全氟壬酸银(PFNA-Ag)	7358-16-9	--
123		全氟壬酸甲烷铵(PFNA-$NH_3(CH_3)$)	77032-23-6	--
124		全氟壬酸-N-乙基乙胺(1:1) (PFNA-$NH_2(C_2H_5)_2$))	77032-27-0	--
125		全氟壬酸-N-甲基甲胺(1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7	--
126		全氟壬酸-N，N-二乙基乙酰胺(1:1) (9Cl) (PFNA-$NH(C_2H_5)_3$))	327176-80-7	--
127		全氟壬酸-哌啶(1:1) (9Cl) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9	--
128		全氟壬酸-苯胺(1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0	--
129		全氟壬酸-环己胺(1:1) (9Cl) ((PFNA-$NH_3(C_6H_{11})$)	328531-06-2	--
130		全氟壬酸盐	72007-68-2	--
131		全氟壬酸磺胺甲氧基哒嗪(PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
132		全氟壬酸酐(PFNAA)	228407-54-3	--
133		全氟壬酰氯(PFNA-Cl)	52447-23-1	--
134		全氟壬酰氟(PFNA-F)	558-95-2	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
135		全氟壬酰溴(PFNA-Br)	261503-42-8	--
136	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	0.010
137		全氟癸酸钠(PFDA-Na)	3830-45-3	--
138		全氟癸酸铵(PFDA-NH_4)	3108-42-7	--
139		全氟癸酸钾(PFDA-K)	51604-85-4	--
140		全氟癸酸银(PFDA-Ag)	5784-82-7	--
141		全氟癸酸锂(PFDA-Li)	84743-32-8	--
142		全氟癸酸盐	73829-36-4	--
143		全氟癸酸酐(PFDAA)	942199-24-8	--
144		全氟癸酰氯(PFDA-Cl)	307-38-0	--
145		全氟癸酰氟(PFDA-F)	--	--
146	PFUnDA, 及其盐	全氟十一烷酸(PFUnDA)	2058-94-8	0.010
147		全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
148		全氟十一烷酸铵(PFUnDA-NH_4)	4234-23-5	--
149		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
150		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
151		全氟十一烷酸盐	196859-54-8	--
152	PFDoDA, 及其盐	全氟十二烷酸(PFDoDA)	307-55-1	0.010
153		全氟十二烷铵(PFDoDA-NH_4)	3793-74-6	--
154		全氟十二烷酸盐	171978-95-3	--
155		全氟十二烷酸钠(PFDoDA-Na)	307-67-5	--
156	PFTrDA, 及其盐	全氟十三烷酸(PFTrDA)	72629-94-8	0.010
157		全氟十三烷酸铵(PFTrDA-NH_4)	4288-72-6	--
158		全氟十三烷酸钠(PFTrDA-Na)	60872-01-7	--
159		全氟十三烷酸盐	862374-87-6	--
160	PFTDA, 及其盐	全氟十四烷酸(PFTDA)	376-06-7	0.010
161		全氟十四烷酸盐	365971-87-5	--
162	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	0.010
163	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	0.010
164		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
165		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--
166		全氟癸基磺酸铵(PFDS-NH_4)	67906-42-7	--
167		全氟癸基磺酸盐	126105-34-8	--
168		全氟癸烷磺酸酐(PFDSA)	51667-62-0	--
169		全氟癸烷磺酰氟(PFDS-F)	307-51-7	--
170		全氟癸烷磺酰氯(PFDS-Cl)	32779-61-6	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
171	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
172	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)	17741-60-5	0.100
173	--	1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯(10:2 FTMA)	2144-54-9	0.100
174	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100
175	10:2 FTS, 及其盐	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	0.100
176		1H,1H,2H,2H-全氟十二烷磺酸钠(10:2 FTS-Na)	108026-35-3	--
177		1H,1H,2H,2H-全氟十二烷磺酰氯(10:2 FTS-Cl)	27619-91-6	--
178	--	全氟癸基乙基碘(10:2 FTI)	2043-54-1	0.100
179	--	1H,1H,2H,2H-全氟十四烷基碘 (12:2 FTI)	30046-31-2	0.100
180	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
181		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
182		全氟壬烷磺酸铵(PFNS-NH_4)	17202-41-4	--
183		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
184		全氟壬烷磺酸盐	474511-07-4	--
185		全氟壬烷磺酰氟(PFNS-F)	68259-06-3	--
186	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	0.010
187		全氟十一烷磺酸盐	441296-91-9	--
188	PFDoDS, 及其盐	全氟十二烷磺酸(PFDoDS)	79780-39-5	0.010
189		全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1	--
190		全氟十二烷磺酸钾(PFDoDS-K)	85187-17-3	--
191		全氟十二烷磺酸盐	343629-43-6	--
192	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	0.010
193		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
194	10:2 diPAP, 及其盐	双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)	1895-26-7	0.100
195		2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2	--
196	--	1-碘全氟癸烷(PFDI)	423-62-1	0.100
197	--	全氟碘代十二烷(PFDoDI)	307-60-8	0.100
198	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	0.010
199	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	0.010
200	--	1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)	37858-05-2	0.100
201	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	0.010
202		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
203		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
204		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
205		全氟己基磺酸铵(PFHxS-NH_4)	68259-08-5	--
206		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
207		N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-N(C_4H_9)$_4$)	108427-54-9	--
208		N, N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-N(C_2H_5)$_4$)	108427-55-0	--
209		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC_4H_9)	1187817-57-7	--
210		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-(N$C_{10}H_{14}$)$_3$$C_5H_4$)	1310480-24-0	--
211		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC_8H_{10})$_2$$C_{13}H_{12}$)	1310480-27-3	--
212		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC_8H_{10})$_2$$C_{17}H_{12}$)	1310480-28-4	--
213		全氟己基磺酸与 β-环糊精络合物(PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0	--
214		全氟己基磺酸与 γ-环糊精络合物(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8	--
215		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
216		全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[4-[4-(2,2-二苯基噻吩基)苯基]-1,2,3a,4,8b-六氢环戊并[b]吲哚-7-基]乙烯基]盐(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0	--
217		全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C_6H_5)$_2$)	153443-35-7	--
218		N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
219		全氟己基磺酸与 2-甲基-2-丙胺络合物(1:1)(PFHxS-NH_2(CH_3)$_3$)	202189-84-2	--
220		全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	213740-81-9	--
221		全氟己基磺酸镓(9CI)(PFHxS-Ga)	341035-71-0	--
222		全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-S(C_7H_7)$_2$$C_6H_5$)	341548-85-4	--
223		全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
224		全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--
225		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
226		全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐(PFHxS-S_3(C_6H_5)$_4$(C_6H_4)$_2$)	421555-73-9	--
227		全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐(PFHxS-I(C_6H_4)$_2$(C_5H_{11})$_2$)	421555-74-0	--
228		全氟己基磺酰氟(PFHxS-F)	423-50-7	--
229		全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐(PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
230		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
231		全氟己基磺酸与 2,2'-亚氨二乙醇络合物(PFHxS-NH(C_2H_5O)$_2$)	70225-16-0	--
232		全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1	--
233		全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3	--
234		全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2	--
235		全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4	--
236		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
237		二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐(PFHxS-S$C_{28}H_{31}O_4$)	928049-42-7	--
238		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
239		PFHxS-磺酸酯聚合物	911027-69-5	--
240		全氟己基磺酸盐	108427-53-8	--
241		全氟己基磺酸四丁基鏻 (PFHxS-P(C_4H_9)$_4$))	2310194-12-6	--
242	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
243	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
244	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	0.010
245	--	2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯(N-MeFHSEA)	67584-57-0	0.200
246	--	2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	0.200
247	--	2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	0.200
248	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺(MeFHxSE)	68555-75-9	0.010
249	EtFHxSAA，及其盐	N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA)	68957-32-4	0.010
250		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
251		N-乙基-N-((十三氟己基)磺酰基)甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
252	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
253		全氟己酸铵(APFHx)	21615-47-4	--
254		全氟己酸钠(PFHxA-Na)	2923-26-4	--
255		全氟己酸钾(PFHxA-K)	3109-94-2	--
256		全氟己酰氟(PFHxA-F)	355-38-4	--
257		全氟己酸银(PFHxA-Ag)	336-02-7	--
258		全氟己酸锂(PFHxA-Li)	90430-61-8	--
259		全氟己酸酐	308-13-4	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
260		全氟己酸哌嗪(2:1)	423-47-2	--
261		全氟己酸盐	92612-52-7	--
262		全氟己酰氯(PFHxA-Cl)	335-53-5	--
263		全氟己酰溴(PFHxA-Br)	1404193-66-3	--
264		全氟己酸己胺(PFHxA-$C_6H_{15}N$)	565225-91-4	--
265		全氟己酸苯基哌嗪(PFHxA-$C_{10}H_{14}N_2$)	985-60-4	--
266	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100
267	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.400
268	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.200
269	6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
270		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
271		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--
272		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH_4)	59587-39-2	--
273		1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
274		1H,1H,2H,2H-全氟辛磺酸盐(6:2FTS(anion))	425670-75-3	--
275		1H,1H,2H,2H-全氟辛磺酰氯(6:2 FTS-Cl)	27619-89-2	--
276		1H,1H,2H,2H-全氟辛磺酰氟(6:2 FTS-F)	--	--
277	--	全氟辛基三乙氧基硅烷(6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	0.500
278	--	1H,1H,2H,2H-全氟辛基三氯硅烷	78560-45-9	0.200
279	--	1H,1H,2H,2H-全氟辛基三甲氧基硅烷(6:2 FTSi(OCH_3)$_3$)	85857-16-5	
280	--	1,1,1,2,2,3,4,5,6,6-十三氟-6-碘己烷(PFHx-I)	355-43-1	0.200
281	--	1,1,1,2,2,3,4,5,6,6-十三氟-8-碘酮	38550-34-4	0.200
282	--	N-[3-(二甲氨基)丙基]-3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛烷磺酰胺 N-氧化物	80475-32-7	0.100
283	--	3,3,4,4,5,5,6,7,8,8-十三氟辛酯硫氰酸	26650-09-9	0.200
284	6:2 monoPAP，及其盐	6:2 磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0	0.100
285		6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH_4NH_4)	1000852-37-8	--
286	--	2H,2H,3H,3H-全氟壬酸(6:3 FTCA)	27854-30-4	0.100
287	--	3,3,4,4,5,6,7,7,8,8,8-三氟辛烷-1-硫醇(6:2 FTSH)	34451-26-8	0.200
288	--	1H,1H,2H,2H-全氟辛基二甲基氯硅烷(6:2 FTSiMe_2Cl)	102488-47-1	0.200
289	--	1H,1H-三氟-1-碘庚烷(6:1 FTI)	212563-43-4	0.200
290	--	4,4,5,5,6,7,8,9,9,9-三氟壬基碘化物(6:3 FTI)	89889-20-3	0.200
291	6:2 FTPA, 及其盐	全氟己基乙基膦酸(6:2 FTPA)	252237-40-4	0.100
292		全氟己基乙基膦酸钠(Cheminox FHP_2OH-Na(PFHXPA-Na))	1189052-95-6	--
293	--	十一氟正己烷-1-醇(5:1 FTOH)	423-46-1	0.200

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
294	--	1H,1H-全氟庚-1-醇(6:1 FTOH)	375-82-6	0.200
295	--	3-全氟己基丙醇(6:3 FTOH)	80806-68-4	0.200
296	--	3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)	914637-05-1	0.200
297	--	1-(全氟己基)辛烷 (F_6H_8)	133331-77-8	0.200
298	--	1H,1H 三氟庚胺 (6:1 $FTNH_2$)	423-49-4	0.200
299	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	0.010
300	6:6 PFPi, 及其盐	6:6 全氟次膦酸(6:6 PFPi)	40143-77-9	0.010
301		6:6 全氟次膦酸钠盐(6:6 PFPi-Na)	70609-44-8	--
302		6:6 全氟次膦酸镱(3+)盐(6:6 PFPi-Yb)	500776-72-7	--
303		6:6 全氟次膦酸铒(3+)盐(6:6 PFPi-Er)	500776-73-8	--
304	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
305		七氟丁酸铵(PFBA-NH_4)	10495-86-0	--
306		七氟丁酸钠(PFBA-Na)	2218-54-4	--
307		七氟丁酸钾(PFBA-K)	2966-54-3	--
308		七氟丁酸银(PFBA-Ag)	3794-64-7	--
309		全氟丁酸锂(PFBA-Li)	4146-76-3	--
310		七氟丁酸哌嗪(1:1)	375-04-2	--
311		全氟丁酸盐	45048-62-2	--
312		全氟丁酸 4-氯重氮苯六氟磷酸盐(PFBA-$C_6H_4ClF_6N_2P$)	--	--
313		全氟正丁酸苯基哌嗪(1:1) (PFBA-$C_{10}H_{14}N_2$)	2263-11-8	--
314		全氟正丁酸酐(PFBAA)	336-59-4	--
315		全氟正丁酸钙(PFBA-Ca)	2366-98-5	--
316		全氟正丁酸铑 Rhodium(II) (PFBA-Rh)	73755-28-9	--
317		全氟丁酰氯(PFBA-Cl)	375-16-6	--
318		全氟丁酰氟(PFBA-F)	335-42-2	--
319		全氟丁酰溴(PFBA-Br)	375-13-3	--
320		4-氯苯二氮铵全氟丁酸酯全氟丁酸(1:1:1)	--	--
321		N5-(5-羟基-4,6-二甲基嘧啶-2-基)-L-鸟氨酸-七氟丁酸(1/2)	936233-19-1	--
322	PFBS, 及其盐&衍生物	全氟丁磺酸(PFBS)	375-73-5	0.010
323		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
324		全氟丁基磺酸水合物(PFBS-H_2O)	59933-66-3	--
325		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
326		全氟丁基磺酸三苯基锍盐(TPS-PFBS)	144317-44-2	--
327		全氟丁基磺酸二甲基(苯基)锍(PFBS-S(CH_3)$_2$(C_6H_5)	220133-51-7	--
328		全氟丁基磺酸四丁基鏻(PFBS-P(C_4H_9)$_4$)	220689-12-3	--
329		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C_2H_5)$_4$)	25628-08-4	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
330		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
331		全氟丁磺酸吗啉(PFBS-NC_4H_9O)	503155-89-3	--
332		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
333		全氟丁基磺酸铵(PFBS-NH_4)	68259-10-9	--
334		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	--
335		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
336		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
337		全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-$I(C_6H_4)_2(C_4H_9)_2$)	194999-85-4	--
338		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-$NH(C_2H_5O)_2$)	70225-18-2	--
339		全氟丁基磺酸四丁基铵((PFBS-$N(C_4H_9)_4$))	108427-52-7	--
340		全氟丁基磺酸二苯碘((PFBS-$I(C_6H_5)_2$))	194999-82-1	--
341		全氟丁基磺酸三(4-叔丁基苯基)锍	241806-75-7	--
342		全氟丁基磺酸(4-环己基苯基)(二苯基)锍	425670-64-0	--
343		全氟丁基磺酸 1-(1-甲基-1H-吲哚-3-基)硫醇-1-鎓	867373-18-0	--
344		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
345		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
346		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
347		全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
348		全氟丁基磺酸[4-(2-叔丁氧基-2-氧代乙氧基)苯基](二苯基)(1:1)	857285-80-4	--
349		全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8	--
350		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
351		全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)	56773-55-8	--
352		全氟丁基磺酸四甲基铵盐 (PFBS-$N(CH_3)_4$)	25628-17-5	--
353		全氟丁烷磺酸酐	36913-91-4	
354		全氟丁基磺酸盐	45187-15-3	--
355		1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4	--
356		全氟丁基磺酸三乙基铵	182059-38-7	--
357		N-(2-羟乙基)-N,N-二甲基-1-辛铵全氟-1-丁磺酸盐(1:1)	334529-55-4	--
358		全氟丁基磺酸 1-十六烷基吡啶鎓	334529-62-3	--
359		全氟丁基磺酸 1-丁基吡啶鎓	334529-64-5	--
360		N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1	--
361		三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3	--
362		N-乙基-N-甲基-N-丙基铵全氟丁磺酸酯	1186599-90-5	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
363		[4-(2-甲基丙基)苯基]-二苯基磺铵;1,1,2,2,3,3,4,4,4-壬氟丁烷-1-磺酸盐	1375211-36-1	--
364		二苯基 4-叔丁基苯基磺铵壬氟丁磺酸盐	258872-05-8	--
365		二苯基(4-甲基苯基)九氟丁磺酸盐	284474-28-8	--
366		三甲基硅基全氟丁基磺酸酯	68734-62-3	--
367	PFPeA, 及其盐	全氟戊酸(PFPeA)	2706-90-3	0.010
368		全氟戊酸钠(PFPeA-Na)	2706-89-0	--
369		全氟戊酸钾(PFPeA-K)	336-23-2	--
370		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
371		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
372		全氟戊酸铵(PFPeA-NH_4)	68259-11-0	--
373		全氟戊酸盐	45167-47-3	--
374		全氟戊酸苄基硫脲 (PFPeA-$C_8H_{10}N_2S$)	64808-55-5	--
375		全氟戊酸酐 (PFPeAA)	308-28-1	--
376		全氟戊酰氯(PFPeA-Cl)	375-60-0	--
377		全氟戊酰氟(PFPeA-F)	375-62-2	--
378		全氟戊酰溴(PFPeA-Br)	159623-35-5	--
379	HPFHpA, 及其盐	7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
380		7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
381		7H-十二氟庚酸铵(HPFHpA-NH_4)	376-34-1	--
382		7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2	--
383		7H-十二氟庚酸钾(HPFHpA-K)	--	--
384		7H-十二氟庚酸锂(HPFHpA-Li)	--	--
385		7H-十二氟庚酰氯(HPFHpA-Cl)	41405-35-0	--
386		7H-十二氟庚酰氟 (HPFHpA-F)	5927-65-1	--
387		7H-十二氟庚酰溴 (HPFHpA-Br)	141893-84-7	--
388	PFHpS, 及其盐	全氟庚烷磺酸(PFHpS)	375-92-8	0.010
389		全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
390		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
391		全氟庚磺酸酸铵(PFHpS-NH_4)	68259-07-4	--
392		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
393		全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9	--
394		全氟庚烷磺酸盐	146689-46-5	--
395		全氟庚烷磺酸三乙基铵	72033-40-0	--
396		全氟庚烷磺酸四乙基铵	439863-97-5	--
397		全氟庚烷磺酸酐(PFHpSA)	140429-92-1	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
398		全氟庚烷磺酰氟(PFHpS-F)	335-71-7	--
399		全氟庚烷磺酰氯(PFHpS-Cl)	33018-82-5	--
400	PFHpA, 及其盐	全氟庚酸(PFHpA)	375-85-9	0.010
401		全氟庚酸钠(PFHpA-Na)	20109-59-5	--
402		全氟庚酸钾(PFHpA-K)	21049-36-5	--
403		全氟庚酸铵(PFHpA-NH_4)	6130-43-4	--
404		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
405		全氟庚酸银(PFHpA-Ag)	424-05-5	--
406		全氟庚酸锂(PFHpA-Li)	60871-90-1	--
407		全氟庚酸盐	120885-29-2	--
408		全氟正庚酸酐(PFHpAA)	78225-99-7	--
409		全氟庚酰氯(PFHpA-Cl)	52447-22-0	--
410		全氟庚酰氟(PFHpA-F)	375-84-8	--
411	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	0.010
412		2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH_4)	62037-80-3	--
413		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
414		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	--
415		2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4	--
416		2,3,3,3-四氟-2-(七氟丙氧基)-,(-)-丙酸	75579-40-7	--
417		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1	--
418		全氟(2-丙氧基丙酸酯)	122499-17-6	--
419		2,3,3,3-四氟-2-(七氟丙氧基)丙酸-N-丙基丙烷-1-胺(1/1)	165951-17-7	--
420		全氟-2-丙氧基丙酸三乙胺	165951-18-8	--
421		4-[(6-甲氧基-3-哒嗪基)氨磺酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺	298703-31-8	--
422		2,3,3,3-四氟-7-(七氟丙氧基)丙酸(1-甲基哌啶-3-基)2,3,6-三碘苯甲酸甲酯 (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3	--
423	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
424		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
425		1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1	--
426	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
427		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--
428		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
429		全氟戊磺酸铵(PFPeS-NH_4)	68259-09-6	--
430		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--
431		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--
432		全氟戊磺酸盐	175905-36-9	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
433		全氟戊磺酸三乙基铵	72033-42-2	--
434		全氟戊烷磺酸酐(PFPeSA)	161877-72-1	--
435	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
436	5:3 FTCA, 及其盐	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
437		2H,2H,3H,3H 全氟辛酸盐(5:3 FTCA(anion))	1799325-94-2	--
438	PFHxDA, 及其盐	全氟十六烷酸(PFHxDA)	67905-19-5	0.010
439		全氟十六烷酸盐 (PFHxDA(anion))	1214264-30-8	--
440	--	全氟十七烷酸 (PFHpDA)	57475-95-3	0.010
441	PFODA, 及其盐	全氟十八烷酸(PFODA)	16517-11-6	0.010
442		全氟十八烷酸盐(PFODA(anion))	798556-82-8	--
443		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸钾盐	--	--
444		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸钠盐	--	--
445		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸锂盐	--	--
446	--	全氟十九烷酸(PFNDA)	133921-38-7	0.010
447	--	全氟二十烷酸(C_{20} PFCA)	68310-12-3	0.010
448	--	全氟二十一烷酸(C_{21} PFCA)	2920913-30-8	0.010
449	--	1H,1H,2H,2H-全氟辛基甲基丙烯酸酯(6:2 FTMA)	2144-53-8	0.200
450	ADONA, 及其盐	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010
451		4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH_4)	958445-44-8	--
452		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
453		4,8-二氧-3H-全氟壬酸钾 (ADONA-K)	1087271-46-2	--
454		4,8-二氧-3H-全氟壬酸盐 (ADONA (anion))	2127366-90-7	--
455	PFMPA, 及其盐	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	0.010
456		2,2,3,3-四氟-3-(三氟甲氧基)丙酸酐 (PFMPAA)	42566-65-4	--
457	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
458	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
459	9Cl-PF_3ONS, 及其盐	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF_3ONS)	756426-58-1	0.010
460		9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF_3ONS-K)	73606-19-6	--
461		9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF_3ONS-NH_4)	1383434-28-3	--
462		9-氯-3-氧杂全氟壬烷磺酸盐 (9Cl-PF_3ONS (anion))	1621485-21-9	--
463	11Cl-PF_3OUdS, 及其盐	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF_3OUdS)	763051-92-9	0.010
464		11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF_3OUdS-K)	83329-89-9	--
465		11-氯-3-氧杂全氟十一烷磺酸盐 (11Cl-PF_3OUdS (anion))	2196242-82-5	--
466		全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
467	PFEESA, 及其盐	全氟(2-乙氧基乙烷)磺酸钾 (PFEESA-K)	117205-07-9	--
468		全氟(2-乙氧基乙烷)磺酸钠 (PFEESA-Na)	113507-87-2	--
469	3:3 FTCA, 及其盐	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
470		4,4,5,6,6,6-七氟己酸盐 (3:3 FTCA(anion))	1169706-83-5	--
471		2H,2H,3H,3H-全氟己酸钠(3:3 FTCA-Na)	1207462-13-2	--
472	PFPeDA, 及其盐	全氟十五烷酸(PFPeDA)	141074-63-7	0.010
473		全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5	--
474	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.200
475	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯(EtFOSAC)	423-82-5	0.200
476	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.200
477	PFBSA，及其盐	九氟丁烷磺酰胺(PFBSA)	30334-69-1	0.100
478		九氟丁烷磺酰胺铵盐(FBSA-NH_4)	131003-86-6	--
479		九氟丁烷磺酰胺钾盐(FBSA-K)	289042-19-9	--
480	--	N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC_3H_8O)	34454-97-2	0.010
481	11H-PFUnDA, 及其盐	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100
482		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
483		11H-全氟十一烷酸铵(11H-PFUnDA-NH_4)	5081-02-7	--
484		11H-全氟十一烷酸盐 (11H-PFUnDA(anion))	69681-37-4	--
485	PFPrA,及其盐	五氟丙酸(PFPrA)	422-64-0	0.100
486		五氟丙酸钠(PFPrA-Na)	378-77-8	--
487		五氟丙酸银(PFPrA-Ag)	509-09-1	--
488		五氟丙酸钾(PFPrA-K)	378-76-7	--
489		五氟丙酸铵(PFPrA-NH_4)	2730-58-7	--
490		五氟丙酸盐(PFPrA(anion))	44864-55-3	--
491		五氟丙酸苯基哌嗪 (1/1) (PFPrA-$C10H_{14}N_2$)	893-87-8	--
492		五氟丙酸哌嗪(1/1) (PFPrA-$C_4H_{10}N_2$)	1690-94-4	--
493		五氟丙酸咪唑(PFPrA-$C_3H_4N_2$)	200705-90-4	--
494	HFPO-TA, 及其盐	全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA)	13252-14-7	0.200
495		全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4	--
496		全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2	--
497		全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH4)	13043-05-5	--
498		全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1	--
499		三乙基铵全氟-2-(2-丙氧基丙氧基)丙酸盐 (HFPO-TA-$NH(C_2H_5)_3$)	165951-19-9	--
500		甲铵全氟-2-(2-丙氧基丙氧基)丙酸盐	328065-29-8	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
501		2,3,3,3-四氟-2-[1,1,2,3,3,3-六氟-2-(七氟丙氧基) 丙氧基] 丙酸・二甲胺 (1:1 盐)	328065-54-9	--
502	PFEtS, 及其盐	全氟乙烷磺酸(PFEtS)	354-88-1	0.010
503		全氟乙烷磺酸盐 (PFEtS (anion))	108410-37-3	--
504		全氟乙烷磺酸钾 (PFEtS-K)	2837-92-5	--
505	6:2 diPAP, 及其盐	双[2-(全氟己基)乙基]磷酸盐(6:2 diPAP)	57677-95-9	0.010
506		双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0	--
507		双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1	--
508	TFSI, 及其盐	双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3	0.010
509		1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4	--
510		三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5	--
511		双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6	--
512		1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6	--
513		双(三氟甲磺酰基)亚胺锌 II) ($(TFSI)_2$-Zn)	168106-25-0	--
514		双(三氟甲磺酰亚锰 II) ($(TFSI)_2$-Mn)	207861-55-0	--
515		双(三氟甲磺酰亚胺)镍(II) ($(TFSI)_2$-Ni)	207861-63-0	--
516		双(三氟甲磺酰亚胺铜(II) ($(TFSI)_2$-Cu)	162715-14-2	--
517		三[1,1,1-三氟-N-[(三氟甲基)磺酰基-KO]甲磺酰胺基-KO]-铁 ($(TFSI)_3$-Fe)	207861-59-4	--
518		三氟甲烷磺酰亚胺铜(II)二水合物 ($(TFSI)_2$-CuH_2O)	1334406-76-6	--
519		双(三氟甲烷磺酰亚胺银 (TFSI-Ag)	189114-61-2	--
520		双(三氟甲基磺酰基)亚胺铜 (TFSI-Cu)	291300-50-0	--
521		双(三氟甲烷磺酰亚胺)钡($(TFSI)_2$-Ba)	168106-22-7	--
522		双(三氟甲基磺酰基)亚胺锶 ($(TFSI)_2$-Sr)	862121-57-1	--
523		1-甲基咪唑双(三氟甲磺酰亚胺	353239-08-4	--
524		1-乙基-3-甲基咪唑鎓双	174899-82-2	--
525		1,2-二甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	169051-76-7	--
526		双(三氟甲基磺酰基)亚胺镁 (TFSI-Mg)	133395-16-1	--
527		1-甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	216299-72-8	--
528		1-丁基-1-甲基咪唑鎓双(三氟甲基磺酰基)亚胺盐	623580-02-9	--
529		1-甲基-3-正辛基咪唑鎓双(三氟甲磺酰基)亚胺盐	178631-04-4	--
530		三[双(三氟甲基磺酰基)氨基]镱 ($(TFSI)_3$-Yb)	175438-43-4	--
531		丁基-三甲基双(三氟甲基磺酰基)亚胺铵	258273-75-5	--
532		双(三氟甲基磺酰基)亚胺钴 ($(TFSI)_2$-Co)	207861-61-8	--
533		双(三氟甲磺酰亚胺钾 (TFSI-K)	90076-67-8	--
534		1-甲基-1-丙基哌啶-1-鎓双(三氟甲基)磺酰基)-酰胺	608140-12-1	--
535		1-乙基-2,3-二甲基咪唑鎓双(三氟甲烷磺酰)亚胺盐	174899-90-2	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
536		1-甲基-1-丙基吡咯烷鎓双(三氟甲磺酰基)亚胺盐	223437-05-6	--
537		1,1,1-三氟-N-三氟甲烷磺酰基-N-(N-三氟甲烷磺酰基-三氟甲烷磺酰胺基)-羟基)-甲磺酰胺 ((TFSI)$_2$-Ca)	165324-09-4	--
538		双(三氟甲基磺酰基)亚胺胆碱	827027-25-8	--
539		1-十二烷基-3-甲基咪唑鎓双(三氟甲磺酰基)亚胺盐	404001-48-5	--
540		1-乙基-1-甲基吡咯烷双(三氟甲基磺酰基)亚胺盐	223436-99-5	--
541		二乙基甲基硫双(三氟甲基磺酰)亚胺	792188-85-3	--
542		双(三氟甲基磺酰基)叠氮化物：汞(2+) ((TFSI)$_2$-Hg)	104715-41-5	--
543		双(三氟甲磺酰基)酰亚胺铈(III)盐(TFSI-Ce)	1046099-39-1	--
544		{双[(三氟甲基)磺酰基]氮杂化镉}镉盐(TFSI-Cd)	1263295-73-3	--
545		双(三氟甲磺酰基)酰亚胺镧(III)盐(TFSI-La)	168106-26-1	--
546		双(三氟甲基磺酰)酰亚胺钪(III)盐(TFSI-Sc)	176726-07-1	--
547		双(三氟甲磺酰)酰亚胺钇(III)盐 (TFSI-Y)	189114-86-1	--
548		双(三氟甲磺)酰亚胺钒盐(TFSI-V)	207861-54-9	--
549		双(三氟甲磺酰)酰亚胺铁(II)盐(TFSI-Fe)	207861-57-2	--
550		双(三氟甲基磺酰)酰亚胺锡(II)盐(TFSI-Sn)	460096-08-6	--
551		双(三氟甲磺酰基)酰亚胺铯盐(TFSI-Cs)	91742-16-4	--
552		双(三氟甲磺酰)酰亚胺钠盐(TFSI-Na)	91742-21-1	--
553	10:2 monoPAP，及其盐	单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP)	57678-05-4	0.100
554		单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5	--
555		二十一氟十二烷基磷酸二氢酯环己铵盐	2514858-66-1	--
556	-	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-十三氟壬基)碘乙酰胺	852527-50-5	0.010
557	TFMS, 及其盐	三氟甲磺酸(TFMS)	1493-13-6	0.010
558		三氟甲磺酸钠盐(TFMS-Na)	2926-30-9	--
559		三氟甲磺酸银盐(TFMS-Ag)	2923-28-6	--
560		三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2	--
561		三氟甲磺酸钪盐(TFMS-Sc)	144026-79-9	--
562		三氟甲磺酸酐	358-23-6	--
563		三氟甲磺酸锂盐(TFMS-Li)	33454-82-9	--
564		三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2	--
565		三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7	--
566		三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2	--
567		三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2	--
568		三氟甲磺酸钾盐(TFMS-K)	2926-27-4	--
569		三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3	--
570		三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8	--
571		三氟甲磺酸钇盐(TFMS-Y)	52093-30-8	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
572		三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7	--
573		三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5	--
574		三氟甲磺酸四丁基铵	35895-70-6	--
575		三氟甲磺酸甲基三辛基铵	121107-18-4	--
576		咪唑三氟甲磺酸酯	29727-06-8	--
577		三氟乙酰基三氟甲磺酸酯	68602-57-3	--
578		三氟甲磺酸镧(III) (TFMS-La)	52093-26-2	--
579		三氟甲磺酸铟(III) (TFMS-In)	128008-30-0	--
580		三氟甲磺酸钐(III)(TFMS-Sm)	52093-28-4	--
581		三氟甲磺酸镱(III) (TFMS-Yb)	54761-04-5	--
582		三氟甲磺酸铥(III) (TFMS-Tm)	141478-68-4	--
583		三氟甲磺酸四乙基铵	35895-69-3	--
584		三氟甲磺酸 1-氟-3,5-二氯吡啶	107264-06-2	--
585		三氟甲磺酸三乙胺盐	646-58-2	--
586		三苯基三氟甲酸酐鏻	72450-51-2	--
587		N, N-二乙基-6-(二乙氨基)-9-(2-(甲氧羰基)苯基)-3H-蒽-3-亚基三氟甲磺酸铵	120611-30-5	--
588		三氟甲磺酸二苯铵	164411-06-7	--
589		1-(3-氨基氮杂环丁烷-1-基)丙-2-烯-1-酮, 三氟甲磺酸	2060047-56-3	--
590		三氟甲磺酸胍	153756-25-3	--
591		三氟甲磺酸-1-乙基-1H-咪唑 (1/1)	501693-46-5	--
592		钌(3+) (OC-6-22)-与三氟甲磺酸 (1:3)的盐	74468-24-9	--
593		O-新戊酰基羟胺三氟甲磺酸酯	1293990-73-4	--
594		三氟甲磺酰氯	421-83-0	--
595		(2-吡啶甲基)磺酰氯三氟甲磺酸酯	882564-09-2	--
596		三氟甲磺酰溴	15458-53-4	--
597		三氟甲磺酸汞(II)(TFMS-Hg)	49540-00-3	--
598		三氟甲磺酸镝(III)(TFMS-Dy)	139177-62-1	--
599		三氟甲磺酸锰(II)(TFMS-Mn)	55120-76-8	--
600		三氟甲磺酸五胺锇(III)	83781-30-0	--
601		三氟甲磺酸镥(III)(TFMS-Lu)	126857-69-0	--
602		三氟甲磺酸铽(III)(TFMS-Tb)	148980-31-8	--
603		三氟甲磺酸钕(III)(TFMS-Nd)	34622-08-7	--
604		三氟甲磺酸铵(TFMS-NH4)	38542-94-8	--
605		三氟甲磺酸钬(III)(TFMS-Ho)	139177-63-2	--
606		三氟甲磺酸酯	37181-39-8	--
607		三氟甲磺酸镨(III)(TFMS-Pr)	52093-27-3	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
608		三氟甲磺酸铋(III)(TFMS-Bi)	88189-03-1	--
609		三氟甲磺酸铕(III)(TFMS-Eu)	52093-25-1	--
610		三氟甲磺酸铒(III)(TFMS-Er)	139177-64-3	--
611		三氟甲磺酸镓(III)(TFMS-Ga)	74974-60-0	--
612		N,N,N-三乙基-2,2,2-三氟乙烷-1-三氟甲磺酸铵	380230-73-9	--
613		三氟甲磺酸钙(II)(TFMS-Ca)	55120-75-7	--
614		三氟甲磺酸铊(I)(TFMS-Tl)	73491-36-8	--
615		三氟甲磺酸铪(IV)(TFMS-Hf)	161337-67-3	--
616		1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛基) 吡啶鎓三氟甲磺酸盐	25061-59-0	--
617		四丙基铵三氟甲磺酸盐	35925-48-5	--
618		(七氟丙基)(苯基) 碘鎓三氟甲磺酸盐	77758-79-3	--
619		苯基 (十三氟己基) 碘鎓三氟甲磺酸盐	77758-84-0	--
620		(十七氟辛基)(苯基) 碘鎓三氟甲磺酸盐	77758-89-5	--
621		(1,1,1,2,3,3,3-七氟丙烷-2-基)(苯基) 碘鎓三氟甲磺酸盐	82959-18-0	--
622		三乙基甲基铵三氟甲磺酸盐	90756-35-7	--
623		五氟苯胺鎓三氟甲磺酸盐	912823-79-1	--
624		三丁基甲基铵三氟甲磺酸盐	944557-37-3	--
625	PFPrS, 及其盐	全氟丙烷磺酸(PFPrS)	423-41-6	0.010
626		全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9	--
627	-	1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	0.200
628	-	1-碘-1H, 1H, 2H, 2H-全氟己烷(4:2 FTI)	2043-55-2	0.200
629	PFHpSi, 及其盐	全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8	0.010
630		全氟庚烷-1-亚磺酸钠盐 (PFHpSi-Na)	68555-66-8	--
631	PFOPA, 及其盐	全氟辛基磷酸 (PFOPA)	40143-78-0	0.010
632		全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0	--
633	-	1H, 1H-全氟辛胺(7:1 $FTNH_2$)	307-29-9	0.200
634	-	全氟庚酰胺(PFHpA-NH_2)	2358-22-7	0.100
635	-	全氟丁酰胺(PFBA-NH_2)	662-50-0	0.200
636	-	1H, 1H, 2H, 2H-九氟己酯(4:2 FTA)	52591-27-2	0.200
637	-	N-甲基-九氟丁磺酰胺(MeFBSA)	68298-12-4	0.010
638	-	N-乙基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟-N-(2-羟乙基)-1-己磺酰胺(Et-FHxSE)	34455-03-3	0.010
639	TFA, 及其盐	三氟乙酸(TFA)	76-05-1	1.000
640		三氟乙酸钠(TFA-Na)	2923-18-4	--
641		三氟乙酸铊(TFA-Tl)	23586-53-0	--
642		三氟乙酸锂(TFA-Li)	2923-17-3	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
643		三氟乙酸银(TFA-Ag)	2966-50-9	--
644		三氟乙酸铯(TFA-Cs)	21907-50-6	--
645		三氟乙酸钾(TFA-K)	2923-16-2	--
646		三氟乙酸铵(TFA-NH_4)	3336-58-1	--
647		三氟乙酸汞(TFA-Hg)	13257-51-7	--
648		三氟乙酸钯(TFA-Pd)	42196-31-6	--
649		三氟乙酸盐(TFA anion)	14477-72-6	--
650		三氟乙酸二甲基[(三氟乙酰基)氧基]锍	57738-66-6	--
651		三氟乙酸铝(III)(TFA-Al)	36554-89-9	--
652		三氟乙酸钡(II)(TFA-Ba)	60884-92-6	--
653		三氟乙酸铒(III)(TFA-Er)	70236-99-6	--
654		三氟乙酸铟(III)(TFA-In)	36554-90-2	--
655		三氟乙酸镧(III)(TFA-La)	70236-92-9	--
656		三氟乙酸镍(II)(TFA-Ni)	16083-14-0	--
657		三氟乙酸铅(II)(TFA-Pb)	4146-73-0	--
658		三氟乙酸铑(II)(TFA-Rh)	72654-51-4	--
659		三氟乙酸铥(III)(TFA-Tm)	70237-00-2	--
660		三氟乙酸镱(III)(TFA-Yb)	87863-62-5	--
661		三氟乙酸锌(II)(TFA-Zn)	21907-47-1	--
662		三氟乙酸钌(II)(TFA-Ru)	61612-84-8	--
663		三氟乙酸镁(II)(TFA-Mg)	123333-72-2	--
664		三氟乙酸铜(II)(TFA-Cu)	123333-88-0	--
665		三氟乙酸甲基三乙酸甲基乙酰铵	121107-16-2	--
666		铬(3+)三氟乙酸盐(TFA-Cr)	16712-29-1	--
667		三氟乙酸四乙基铵(TFA-N(C_2H_5)$_4$)	30093-29-9	--
668		三氟乙酸四丁基铵(TFA-N(C_4H_9)$_4$)	39481-22-6	--
669		三氟乙酸铕(3+)-水(1/3/3)(TFA-Eu.H_2O)	94079-71-7	--
670	BETI, 及其盐	双(五氟乙烷磺酰基)亚胺	152894-10-5	0.020
671		双(五氟乙烷磺酰基)亚胺基锂(BETI-Li)	132843-44-8	--
672		双(五氟乙烷磺酰基)亚胺基阴离子	129318-46-3	--
673		双(五氟乙烷磺酰基)亚胺基钠 (BETI-Na)	152894-04-7	--
674		双(五氟乙烷磺酰基)亚胺基钾 (BETI-K)	221203-22-1	--
675		1-乙基-3-甲基咪唑啉双(五氟乙基磺酰基)亚胺	216299-76-2	--
676	--	全氟-2-乙氧基丙酸(PEPA)	267239-61-2	0.010
677	PFDPA, 及其盐	全氟癸基膦酸(PFDPA)	52299-26-0	0.010
678		全氟癸基膦酸 4-甲基苯甲胺	--	--
679		全氟癸基膦酸二-4-甲苯胺盐	--	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
680	PFHxPA, 及其盐	全氟己基膦酸	40143-76-8	0.010
681		全氟己基膦酸 4-甲基苯甲胺	1263361-02-9	--
682	--	((全氟辛基)乙基)膦酸	80220-63-9	0.020
683	--	3-(全氟丁基)丙酸	80705-13-1	0.010
684	--	全氟-3,6,9-三氧杂十一烷-1,11-二酸	55621-18-6	0.020
685	--	全氟壬二酸	23453-64-7	0.020
686	--	全氟辛二酸	678-45-5	0.020
687	--	全氟三丙胺	338-83-0	10.000
688	HFAC, 及其盐	六氟乙酰丙酮 (HFAC)	1522-22-1	0.010
689		六氟乙酰丙酮酸锶(HFAC-Sr)	121012-89-3	--
690		六氟乙酰丙酮酸钙(HFAC-Ca)	121012-90-6	--
691		六氟乙酰丙酮酸铋(III)(HFAC-Bi)	141364-06-9	--
692		六氟乙酰丙酮酸镍(II)(HFAC-Ni)	14949-69-0	--
693		六氟乙酰丙酮酸铜(II)水合物(HFAC-Cu·H_2O)	155640-85-0	--
694		六氟乙酰丙酮酸钍(HFAC-Th)	18865-75-3	--
695		六氟乙酰丙酮酸钇(HFAC-Y)	18911-76-7	--
696		六氟乙酰丙酮酸铒(III)水合物(HFAC-Er·H_2O)	18923-92-7	--
697		六氟乙酰丙酮酸钪(III)(HFAC-Sc)	18990-42-6	--
698		六氟乙酰丙酮酸钴(II)(HFAC-Co)	19648-83-0	--
699		六氟乙酰丙酮酸镁(HFAC-Mg)	19648-85-2	--
700		六氟乙酰丙酮酸锰(II)(HFAC-Mn)	19648-86-3	--
701		六氟乙酰丙酮酸钠(HFAC-Na)	22466-49-5	--
702		六氟乙酰丙酮酸铯(HFAC-Cs)	22518-56-5	--
703		六氟乙酰丙酮酸钡(HFAC-Ba)	314071-48-2	--
704		六氟戊二酮酸铟(HFAC-In)	34110-72-0	--
705		六氟乙酰丙酮酸锡(II)(HFAC-Sn)	51319-99-4	--
706		六氟乙酰丙酮酸钯(II)(HFAC-Pd)	64916-48-9	--
707	--	全氟-N-甲基吗啉	382-28-5	10.000
708	--	4,4'-[2,2,2-三氟-1-(三氟甲基)亚乙基]双酚(BPAF)	1478-61-1	10.000
709	PFTriODA，及其盐	全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸) (PFTriODA)	65294-16-8	0.010
710		全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸)钾盐	67963-77-3	--
711		全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸)铵盐	--	--
712	PFDeDA，及其盐	全氟癸二酸 (PFDeDA)	307-78-8	0.010
713		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟癸二酸二钠盐	--	--
714		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟癸二酸二锂盐	--	--
715		9H-全氟壬酸 (9H-PFNA)	76-21-1	0.100

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
716	9H-PFNA，及其盐	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钠盐	--	--
717		9-氯-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钠盐	--	--
718		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钾盐	--	--
719		9-氯全氟壬酸钾盐	1415963-94-8	--
720		十六氟壬酸铵盐	1868-86-6	--
721		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸锂盐	--	--
722		9-氯-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸锂盐	--	--
723	HFPDSI，及其盐	1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺 (HFPDSI)	84246-29-7	0.010
724		1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺钾盐 (HFPDSI-K)	588668-97-7	--
725		1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺锂盐 (HFPDSI-Li)	189217-62-7	--

(2) 针对纺织品， ^^物质是指附表中甲醇/氢氧化钠溶液提取时会水解的 PFAS 物质。

物质名称	CAS No.
N-EtFOSE, 及可能来源	
2- (N-乙基全氟辛基磺酰胺)乙醇 (N-EtFOSE)	1691-99-2
2- (N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC) ^^	423-82-5
PFOA, 及其可能来源	
全氟辛酸 (PFOA)	335-67-1
全氟辛酸乙酯 (Et-PFOA) ^^	3108-24-5
全氟辛酸甲酯 (Me-PFOA) ^^	376-27-2
8:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)	678-39-7
1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)^^	1996-88-9
1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA) ^^	27905-45-9
1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc) ^^	37858-04-1
10:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)	865-86-1
1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA) ^^	2144-54-9
1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯 (10:2 FTA)^^	17741-60-5
1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc) ^^	37858-05-2
6:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-辛醇 (6:2 FTOH)	647-42-7
1H, 1H, 2H, 2H-全氟辛基甲基丙烯酸酯(6:2 FTMA)^^	2144-53-8
1H, 1H, 2H, 2H-全氟辛基丙烯酸酯 (6:2 FTA) ^^	17527-29-6
MeFHxSE, 及其可能来源	
十三氟-N- (2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9

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2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯^^	67584-61-6
2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯 (N-MeFHSEA) ^^	67584-57-0
Et-FHxSE, 及其可能来源	
N-乙基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟-N-(2-羟乙基)-1-己磺酰胺 (Et-FHxSE)	34455-03-3
2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯^^	67906-70-1
PFHpA, 及可能来源	
全氟庚酸(PFHpA)	375-85-9
全氟庚酰胺 (PFHpA-NH_2) ^^	2358-22-7
PFBA, 及可能来源	
全氟丁酸(PFBA)	375-22-4
全氟丁酰胺 (PFBA-NH_2) ^^	662-50-0
4:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-己醇 (4:2 FTOH)	2043-47-2
1H, 1H, 2H, 2H-全氟己基甲基丙烯酸酯 (4:2 FTMA)^^	1799-84-4
1H, 1H, 2H, 2H-九氟己酯 (4:2 FTA) ^^	52591-27-2

(3) 当用甲醇/氢氧化钠溶液提取时，化合物被水解并释放出相关的 PFAS 物质。由于所列 PFAS 会降解为未知化合物和/或无法通过甲醇/NaOH 溶液提取进行分析，因此只能通过溶剂提取方法检测和定量可提取的含量。通过溶剂提取和随后的 GC-MS 或 GC-MS/MS 或 HPLC-MS/MS 分析得到的结果仅反映了可提取的 PFAS。

(4) 全氟十五烷酸, 全氟十七烷酸, 全氟十九烷酸, 全氟二十烷酸, 全氟二十一烷酸检测结果采用碳链数接近的全氟烷酸半定量。

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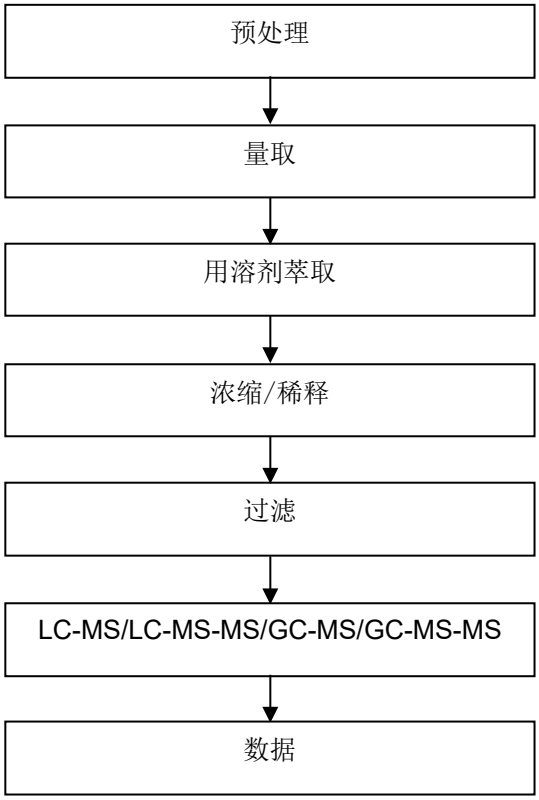
附件

PFASs/ PFOS/PFOA 检测流程图



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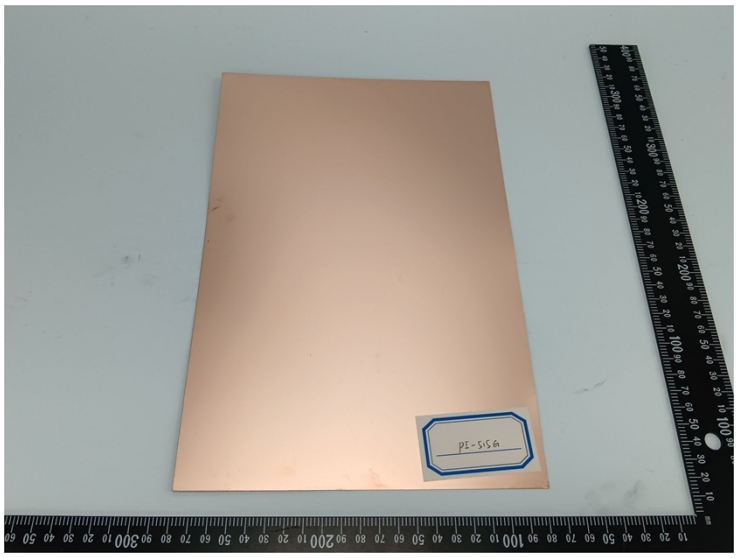

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