

检测报告
(PFAS)

编号: CKGEC25001498226

日期: 2025 年 11 月 14 日

第 1 页, 共 26 页

客户名称: 江苏理文造纸有限公司
客户地址: 中国江苏省常熟经济开发区沿江工业园理文路

样品名称: 箱纸板
成分: 废纸、木浆
制造商: 江苏理文造纸有限公司
以上样品及信息由客户提供。

SGS 工作编号: CQP25-013126
样品接收时间: 2025 年 11 月 03 日
检测周期: 2025 年 11 月 03 日 ~ 2025 年 11 月 14 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:

630 项全氟和多氟烷基化合物 (PFAS) 含量

通过

通标标准技术服务(重庆)有限公司
授权签名

邹昌梅

Mary Zou 邹昌梅
批准签署人

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Liangjiang Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
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第 2 页, 共 26 页

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	A2	CKG25-0014982-0001.C002	棕色纸板

630 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.	A2 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。

备注: 检测由 SGS 广州化学实验室操作。

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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SGS-CTS (重庆) 技术服务有限公司
Chemical Laboratory

Liangji Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

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第 3 页, 共 26 页

(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 ₂ H ₄ OH) ₂)	70225-14-8	--
7		全氟辛基磺酸四乙基铵(PFOS-N(C ₂ H 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 ₄ H 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-N(C ₂ H 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 ₃ H ₇) ₃ (C ₅ H 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 ₄ H 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)铯	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磷 (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4	--
23		全氟辛基磺酸二乙胺 (PFOS-C ₄ H 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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Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

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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	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
35		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	--
36		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-Et-FOSAA(anion))	909405-49-8	--
37		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-Et-FOSAA-NH ₄)	2991-52-8	--
38		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-Et-FOSAA-Na)	3871-50-9	--
39	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	0.010
40	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	0.010
41	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	0.010
42	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	0.010
43	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	0.010
44		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
45		全氟辛基磺酰胺钠盐 (1:1) (PFOSA-Na)	76752-78-8	--
46		全氟辛基磺酰胺钾盐 (1:1) (PFOSA-K)	76752-70-0	--
47		全氟辛基磺酰胺铵盐 (1:1) (PFOSA-NH ₄)	76752-72-2	--
48		全氟辛基磺酰胺三乙胺 (PFOSA-C ₆ H ₁₅ N)	76752-82-4	--
49	PFOA, 及其盐&衍生物	全氟辛酸(PFOA)	335-67-1	0.010
50		全氟辛酸钠(PFOA-Na)	335-95-5	--
51		全氟辛酸钾(PFOA-K)	2395-00-8	--
52		全氟辛酸银(PFOA-Ag)	335-93-3	--
53		全氟辛酰氟(PFOA-F)	335-66-0	--
54		全氟辛酸铵(APFO)	3825-26-1	--
55		全氟辛酸锂(PFOA-Li)	17125-58-5	--
56		全氟辛酸钴(PFOA-Co)	35965-01-6	--
57		全氟辛酸铯(PFOA-Cs)	17125-60-9	--
58		全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6	--
59		全氟辛酸-哌嗪(2:1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9	--
60		全氟辛酸盐	45285-51-6	--
61		全氟辛酸酐	33496-48-9	--
62		全氟辛酸四乙基胺	98241-25-9	--
63		全氟辛酸四甲基胺	32609-65-7	--
64		全氟辛酸四丙基胺	277749-00-5	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
65		全氟辛酸钾水合物 (PFOA-K(H ₂ O) ₂)	98065-31-7	--
66		全氟辛酸乙胺 (PFOA-C ₂ H ₇ N)	1376936-03-6	--
67		全氟辛酸吡啶 (PFOA-C ₅ H ₅ N)	95658-47-2	--
68		全氟辛酸苯基哌嗪 (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7	--
69		全氟辛酸辛基三甲基铵 (PFOA-C ₁₁ H ₂₆ N)	927835-01-6	--
70		全氟辛酰氯 (PFOA-Cl)	335-64-8	--
71	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
72		1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
73		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH ₄)	149724-40-3	--
74		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
75		1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7	--
76		1H,1H,2H,2H-全氟癸磺酰氯 (8:2 FTS-Cl)	27619-90-5	--
77	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.200
78	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.200
79	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	0.100
80	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	0.100
81	--	全氟辛基碘烷(PFOI)	507-63-1	0.200
82	8:2 FTCA, 及其盐	2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5	0.010
83		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7	--
84	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
85	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)	2043-53-0	0.100
86	--	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	0.100
87	8:2 diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2 diPAP)	678-41-1	0.010
88		双[2-(全氟辛基)]乙基磷酸酯钠(8:2 diPAP-Na)	114519-85-6	--
89		双(2-羟乙基)铵双(全氟辛基)乙基磷酸氢	57677-97-1	--
90		双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH ₄)	93776-20-6	--
91		8:2 氟调聚物磷酸二酯离子	1411713-91-1	--
92	8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9	0.010
93		2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1	--
94		2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8	--
95	--	全氟辛基乙烯(PFDE)	21652-58-4	0.100
96	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010
97	--	1H,1H,2H,2H-全氟癸基三氯硅烷	78560-44-8	0.100
98	--	1H,1H,2H,2H-全氟癸基三甲氧基硅烷	83048-65-1	



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中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
99	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	0.010
100	--	6:8 全氟次膦酸(6:8 PFPi)	610800-34-5	0.010
101	8:8 PFPi, 及其盐	8:8 全氟次膦酸 (8:8 PFPi)	40143-79-1	0.010
102		8:8 全氟次膦酸钠盐 (8:8 PFPi-Na)	500776-69-2	--
103		8:8 全氟次膦酸铈(3+)盐 (8:8 PFPi-Er)	500776-70-5	--
104		8:8 全氟次膦酸镱(3+)盐 (8:8 PFPi-Yb)	500776-71-6	--
105	--	1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)	37858-04-1	0.100
106	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
107		8:2 氟调聚物磷酸二铵盐	93857-44-4	--
108		8:2 氟调聚物磷酸钠盐	438237-75-3	--
109		双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0	--
110		单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0	--
111		单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0	--
112		单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6	--
113		单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8	--
114	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
115		全氟壬酸钠(PFNA-Na)	21049-39-8	--
116		全氟壬酸铵(PFNA-NH ₄)	4149-60-4	--
117		全氟壬酸钾(PFNA-K)	21049-38-7	--
118		全氟壬酸锂(PFNA-Li)	60871-92-3	--
119		全氟壬酸银(PFNA-Ag)	7358-16-9	--
120		全氟壬酸甲铵(PFNA-NH ₃ (CH ₃))	77032-23-6	--
121		全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH ₂ (C ₂ H ₅) ₂)	77032-27-0	--
122		全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH ₂ (CH ₃) ₂)	77032-24-7	--
123		全氟壬酸-N, N-二乙基乙酰胺(1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	--
124		全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	--
125		全氟壬酸-苯胺(1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	--
126		全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH ₃ (C ₆ H ₁₁))	328531-06-2	--
127		全氟壬酸盐	72007-68-2	--
128		全氟壬酸磺胺甲氧基哒嗪(PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	--
129		全氟壬酸酐(PFNAA)	228407-54-3	--
130		全氟壬酰氯(PFNA-Cl)	52447-23-1	--
131		全氟壬酰氟(PFNA-F)	558-95-2	--
132	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	0.010
133		全氟癸酸钠(PFDA-Na)	3830-45-3	--



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SGS-TESTING Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangji Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

检测报告
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第 7 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
134		全氟癸酸铵(PFDA-NH ₄)	3108-42-7	--
135		全氟癸酸钾(PFDA-K)	51604-85-4	--
136		全氟癸酸银(PFDA-Ag)	5784-82-7	--
137		全氟癸酸锂(PFDA-Li)	84743-32-8	--
138		全氟癸酸盐	73829-36-4	--
139		全氟癸酸酐(PFDAA)	942199-24-8	--
140		全氟癸酰氯(PFDA-Cl)	307-38-0	--
141		全氟癸酰氟(PFDA-F)	--	--
142		全氟十一烷酸(PFUnDA)	2058-94-8	0.010
143	PFUnDA, 及其盐	全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
144		全氟十一烷酸铵(PFUnDA-NH ₄)	4234-23-5	--
145		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
146		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
147		全氟十一烷酸盐	196859-54-8	--
148	PFDODA, 及其盐	全氟十二烷酸(PFDODA)	307-55-1	0.010
149		全氟十二烷铵(PFDODA-NH ₄)	3793-74-6	--
150		全氟十二烷酸盐	171978-95-3	--
151	PFTTrDA, 及其盐	全氟十三烷酸(PFTTrDA)	72629-94-8	0.010
152		全氟十三烷酸铵(PFTTrDA-NH ₄)	4288-72-6	--
153		全氟十三烷酸钠(PFTTrDA-Na)	60872-01-7	--
154		全氟十三烷酸盐	862374-87-6	--
155	PFTDA, 及其盐	全氟十四烷酸(PFTDA)	376-06-7	0.010
156		全氟十四烷酸盐	365971-87-5	--
157	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	0.010
158	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	0.010
159		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
160		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--
161		全氟癸基磺酸铵(PFDS-NH ₄)	67906-42-7	--
162		全氟癸基磺酸盐	126105-34-8	--
163		全氟癸烷磺酸酐(PFDOSA)	51667-62-0	--
164		全氟癸烷磺酰氟(PFDS-F)	307-51-7	--
165		全氟癸烷磺酰氯(PFDS-Cl)	32779-61-6	--
166	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
167	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)	17741-60-5	0.100
168	--	2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)	2144-54-9	0.100
169	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100



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Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 8 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
170	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
171		1H,1H,2H,2H-全氟十二烷磺酸钠(10:2 FTS-Na)	108026-35-3	--
172		1H,1H,2H,2H-全氟十二烷磺酰氯(10:2 FTS-Cl)	27619-91-6	--
173	--	全氟癸基乙基碘(10:2 FTI)	2043-54-1	0.100
174	--	1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)	30046-31-2	0.100
175	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
176		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
177		全氟壬烷磺酸铵(PFNS-NH ₄)	17202-41-4	--
178		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
179		全氟壬烷磺酸盐	474511-07-4	--
180		全氟壬烷磺酰氟(PFNS-F)	68259-06-3	--
181	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	0.010
182		全氟十一烷磺酸盐	441296-91-9	--
183	PFD _o DS, 及其盐	全氟十二烷磺酸(PFD _o DS)	79780-39-5	0.010
184		全氟十二烷磺酸钠(PFD _o DS-Na)	1260224-54-1	--
185		全氟十二烷磺酸钾(PFD _o DS-K)	85187-17-3	--
186		全氟十二烷磺酸盐	343629-43-6	--
187	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	0.010
188		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
189	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
190		2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP-C ₄ H ₁₁ O ₂)	57677-98-2	--
191	--	1-碘全氟癸烷(PFDI)	423-62-1	0.100
192	--	全氟碘代十二烷(PFDoDI)	307-60-8	0.100
193	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	0.010
194	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	0.010
195	--	1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)	37858-05-2	0.100
196	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	0.010
197		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
198		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
199		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
200		全氟己基磺酸铵(PFHxS-NH ₄)	68259-08-5	--
201		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
202		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	--
203		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	--



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SGS-CSTC (Shanghai) Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjiang Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

检测报告
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日期: 2025 年 11 月 14 日

第 9 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
204		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC ₄ H ₉)	1187817-57-7	--
205		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	--
206		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	--
207		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	--
208		全氟己基磺酸与 β-环糊精络合物(PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0	--
209		全氟己基磺酸与 γ-环糊精络合物(PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8	--
210		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
211		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]呋喃-7-基]乙烯基]盐(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂)	1462414-59-0	--
212		全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C ₆ H ₅) ₂)	153443-35-7	--
213		N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
214		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	--
215		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	--
216		全氟己基磺酸镓(9Cl)(PFHxS-Ga)	341035-71-0	--
217		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	--
218		全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
219		全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--
220		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
221		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 ₆ H ₅) ₄ (C ₆ H ₄) ₂)	421555-73-9	--
222		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	--
223		全氟己基磺酰氟(PFHxS-F)	423-50-7	--
224		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	--
225		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
226		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	--



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中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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检测报告
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第 10 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
227		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	--
228		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	--
229		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	--
230		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	--
231		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
232		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	--
233		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
234		PFHxS-磺酸酯聚合物	911027-69-5	--
235		全氟己基磺酸盐	108427-53-8	--
236		全氟己基磺酸四丁基磷(PFHxS-P(C ₄ H ₉) ₄)	2310194-12-6	--
237	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
238	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
239	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	0.010
240	--	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
241	--	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
242	--	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
243	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺(MeFHxSE)	68555-75-9	0.010
244	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
245		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
246		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
247	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
248		全氟己酸铵(APFHx)	21615-47-4	--
249		全氟己酸钠(PFHxA-Na)	2923-26-4	--
250		全氟己酸钾(PFHxA-K)	3109-94-2	--
251		全氟己酰氟(PFHxA-F)	355-38-4	--
252		全氟己酸银(PFHxA-Ag)	336-02-7	--
253		全氟己酸锂(PFHxA-Li)	90430-61-8	--
254		全氟己酸酐	308-13-4	--
255		全氟己酸哌嗪(2:1)	423-47-2	--



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SGS-CSTC (Shanghai) Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjiang Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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检测报告
(PFAS)

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第 11 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
256		全氟己酸盐	92612-52-7	--
257		全氟己酰氯(PFHxA-Cl)	335-53-5	--
258		全氟己酰溴(PFHxA-Br)	1404193-66-3	--
259		全氟己酸己胺(PFHxA-C ₆ H ₁₅ N)	565225-91-4	--
260		全氟己酸苯基哌嗪(PFHxA-C ₁₀ H ₁₄ N ₂)	985-60-4	--
261	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100
262	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.400
263	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.200
264	6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
265		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
266		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--
267		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH ₄)	59587-39-2	--
268		1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
269		1H,1H,2H,2H-全氟辛磺酸盐(6:2 FTS(anion))	425670-75-3	--
270		1H,1H,2H,2H-全氟辛磺酰氯(6:2 FTS-Cl)	27619-89-2	--
271		1H,1H,2H,2H-全氟辛磺酰氟(6:2 FTS-F)	--	--
272	--	全氟辛基三乙氧基硅烷(6:2 FTSi(OC ₂ H ₅) ₃)	51851-37-7	0.500
273	--	1H,1H,2H,2H-全氟辛基三氯硅烷	78560-45-9	0.200
274	--	1H,1H,2H,2H-全氟辛基三甲氧基硅烷(6:2 FTSi(OCH ₃) ₃)	85857-16-5	
275	--	1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷(PFHx-I)	355-43-1	0.200
276	--	1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮	38550-34-4	0.200
277	--	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
278	--	3,3,4,4,5,5,6,7,8-三氟辛酯硫氰酸	26650-09-9	0.200
279	6:2 monoPAP, 及其盐	6:2 磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0	0.100
280		6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	--
281	--	2H,2H,3H,3H-全氟壬酸(6:3 FTCA)	27854-30-4	0.100
282	--	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
283	--	1H,1H,2H,2H-全氟辛基二甲氯基硅烷(6:2 FTSiMe ₂ Cl)	102488-47-1	0.200
284	--	1H,1H-三氟-1-碘庚烷(6:1 FTI)	212563-43-4	0.200
285	--	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
286	6:2 FTPA, 及其盐	全氟己基乙基膦酸(6:2 FTPA)	252237-40-4	0.100
287		全氟己基乙基膦酸钠(Cheminox FHP ₂ OH-Na(PFH ₂ PA-Na))	1189052-95-6	--
288	--	十一氟正己烷-1-醇(5:1 FTOH)	423-46-1	0.200



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SGS-CSTC (重庆) 检验检测专用章
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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检测报告
(PFAS)

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第 12 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
289	--	1H,1H-全氟庚-1-醇(6:1 FTOH)	375-82-6	0.200
290	--	3-全氟己基丙醇(6:3 FTOH)	80806-68-4	0.200
291	--	3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)	914637-05-1	0.200
292	--	1-(全氟己基)辛烷 (F ₆ H ₈)	133331-77-8	0.200
293	--	1H,1H 三氟庚胺 (6:1 FTNH ₂)	423-49-4	0.200
294	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	0.010
295	6:6 PFPI, 及其盐	6:6 全氟次膦酸(6:6 PFPI)	40143-77-9	0.010
296		6:6 全氟次膦酸钠盐(6:6 PFPI-Na)	70609-44-8	--
297		6:6 全氟次膦酸镱(3+)盐(6:6 PFPI-Yb)	500776-72-7	--
298		6:6 全氟次膦酸铒(3+)盐(6:6 PFPI-Er)	500776-73-8	--
299	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
300		七氟丁酸铵(PFBA-NH ₄)	10495-86-0	--
301		七氟丁酸钠(PFBA-Na)	2218-54-4	--
302		七氟丁酸钾(PFBA-K)	2966-54-3	--
303		七氟丁酸银(PFBA-Ag)	3794-64-7	--
304		全氟丁酸锂(PFBA-Li)	4146-76-3	--
305		七氟丁酸哌嗪(1:1)	375-04-2	--
306		全氟丁酸盐	45048-62-2	--
307		全氟丁酸 4-氯重氮苯六氟磷酸盐(PFBA-C ₆ H ₄ ClF ₆ N ₂ P)	--	--
308		全氟正丁酸苯基哌嗪(1:1) (PFBA-C ₁₀ H ₁₄ N ₂)	2263-11-8	--
309		全氟正丁酸酐(PFBAA)	336-59-4	--
310		全氟正丁酸钙(PFBA-Ca)	2366-98-5	--
311		全氟正丁酸铑 Rhodium(II) (PFBA-Rh)	73755-28-9	--
312		全氟丁酰氯(PFBA-Cl)	375-16-6	--
313		全氟丁酰氟(PFBA-F)	335-42-2	--
314		全氟丁磺酸(PFBS)	375-73-5	0.010
315		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
316		全氟丁基磺酸水合物(PFBS-H ₂ O)	59933-66-3	--
317		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
318	PFBS, 及其盐&衍生物	全氟丁基磺酸三苯基铊盐(TPS-PFBS)	144317-44-2	--
319		全氟丁基磺酸二甲基(苯基)铊(PFBS-S(CH ₃) ₂ (C ₆ H ₅))	220133-51-7	--
320		全氟丁基磺酸四丁基磷(PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
321		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C ₂ H ₅) ₃)	25628-08-4	--
322		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
323		全氟丁磺酸吗啉(PFBS-NC ₄ H ₉ O)	503155-89-3	--



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SGS-CSTC 检验检测技术服务(重庆)有限公司
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

检测报告
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第 13 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
324		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
325		全氟丁基磺酸铵(PFBS-NH ₄)	68259-10-9	--
326		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	--
327		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
328		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
329		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	--
330		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	--
331		全氟丁基磺酸四丁基铵((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	--
332		全氟丁基磺酸二苯碘((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	--
333		全氟丁基磺酸三(4-叔丁基苯基)铊	241806-75-7	--
334		全氟丁基磺酸(4-环己基苯基)(二苯基)铊	425670-64-0	--
335		全氟丁基磺酸 1-(1-甲基-1H-吡啶-3-基)硫醇-1-鎓	867373-18-0	--
336		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
337		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
338		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
339		全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
340		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	--
341		全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8	--
342		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
343		全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)	56773-55-8	--
344		全氟丁基磺酸四甲基铵盐 (PFBS-N(CH ₃) ₄)	25628-17-5	--
345		全氟丁烷磺酸酐	36913-91-4	
346		全氟丁基磺酸盐	45187-15-3	--
347		1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4	--
348		全氟丁基磺酸三乙基铵	182059-38-7	--
349		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	--
350		全氟丁基磺酸 1-十六烷基吡啶鎓	334529-62-3	--
351		全氟丁基磺酸 1-丁基吡啶鎓	334529-64-5	--
352		N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1	--
353		三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3	--
354	PFPeA, 及其盐	全氟戊酸(PFPeA)	2706-90-3	0.010
355		全氟戊酸钠(PFPeA-Na)	2706-89-0	--



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SGS-TESTING Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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检测报告
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第 14 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
356		全氟戊酸钾(PFPeA-K)	336-23-2	--
357		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
358		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
359		全氟戊酸铵(PFPeA-NH ₄)	68259-11-0	--
360		全氟戊酸盐	45167-47-3	--
361		全氟戊酸苄基硫脲 (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
362		全氟戊酸酐 (PFPeAA)	308-28-1	--
363		全氟戊酰氯(PFPeA-Cl)	375-60-0	--
364		全氟戊酰氟(PFPeA-F)	375-62-2	--
365		7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
366	HPFHpA, 及其盐	7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
367		7H-十二氟庚酸铵(HPFHpA-NH ₄)	376-34-1	--
368		7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2	--
369		7H-十二氟庚酸钾(HPFHpA-K)	--	--
370		7H-十二氟庚酸锂(HPFHpA-Li)	--	--
371		7H-十二氟庚酰氯(HPFHpA-Cl)	41405-35-0	--
372		7H-十二氟庚酰氟 (HPFHpA-F)	5927-65-1	--
373		全氟庚烷磺酸(PFHpS)	375-92-8	0.010
374	PFHpS, 及其盐	全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
375		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
376		全氟庚磺酸铵(PFHpS-NH ₄)	68259-07-4	--
377		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
378		全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9	--
379		全氟庚烷磺酸盐	146689-46-5	--
380		全氟庚烷磺酸三乙基铵	72033-40-0	--
381		全氟庚烷磺酸四乙基铵	439863-97-5	--
382		全氟庚烷磺酸酐(PFHpSA)	140429-92-1	--
383		全氟庚烷磺酰氟(PFHpS-F)	335-71-7	--
384		全氟庚烷磺酰氯(PFHpS-Cl)	33018-82-5	--
385		全氟庚酸(PFHpA)	375-85-9	0.010
386	PFHpA, 及其盐	全氟庚酸钠(PFHpA-Na)	20109-59-5	--
387		全氟庚酸钾(PFHpA-K)	21049-36-5	--
388		全氟庚酸铵(PFHpA-NH ₄)	6130-43-4	--
389		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
390		全氟庚酸银(PFHpA-Ag)	424-05-5	--
391		全氟庚酸锂(PFHpA-Li)	60871-90-1	--



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SGS-CTC (Shanghai) Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 15 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
392		全氟庚酸盐	120885-29-2	--
393		全氟正庚酸酐(PFHpAA)	78225-99-7	--
394		全氟庚酰氯(PFHpA-Cl)	52447-22-0	--
395		全氟庚酰氟(PFHpA-F)	375-84-8	--
396	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
397		2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH ₄)	62037-80-3	--
398		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
399		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	--
400		2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4	--
401		2,3,3,3-四氟-2-(七氟丙氧基)-, (-)-丙酸	75579-40-7	--
402		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1	--
403		全氟(2-丙氧基丙酸酯)	122499-17-6	--
404		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	--
405		全氟-2-丙氧基丙酸三乙胺	165951-18-8	--
406		4-[(6-甲氧基-3-吡啶基)氨磺酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺	298703-31-8	--
407		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 ₃ NO ₂)	2412106-69-3	--
408	4:2 FTS, 及 其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
409		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
410		1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1	--
411	PFPeS, 及其 盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
412		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--
413		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
414		全氟戊磺酸铵(PFPeS-NH ₄)	68259-09-6	--
415		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--
416		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--
417		全氟戊磺酸盐	175905-36-9	--
418		全氟戊磺酸三乙基铵	72033-42-2	--
419		全氟戊烷磺酸酐(PFPeSA)	161877-72-1	--
420	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
421	5:3 FTCA, 及其盐	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
422		2H,2H,3H,3H 全氟辛酸盐(5:3 FTCA(anion))	1799325-94-2	--
423	PFHxDA, 及 其盐	全氟正十六酸(PFHxDA)	67905-19-5	0.010
424		全氟正十六酸盐 (PFHxDA(anion))	1214264-30-8	--



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SGS CSTC (重庆) 检验检测有限公司
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 16 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
425	PFODA, 及其盐	全氟正十八酸(PFODA)	16517-11-6	0.010
426		全氟正十八酸盐(PFODA(anion))	798556-82-8	--
427	--	1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)	2144-53-8	0.200
428	ADONA, 及其盐	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010
429		4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH ₄)	958445-44-8	--
430		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
431		4,8-二氧-3H-全氟壬酸钾 (ADONA-K)	1087271-46-2	--
432		4,8-二氧-3H-全氟壬酸盐 (ADONA (anion))	2127366-90-7	--
433	PFMPA, 及其盐	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	0.010
434		2,2,3,3-四氟-3-(三氟甲氧基)丙酸酐 (PFMPAA)	42566-65-4	--
435	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
436	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
437	9Cl-PF ₃ ONS, 及其盐	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF ₃ ONS)	756426-58-1	0.010
438		9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF ₃ ONS-K)	73606-19-6	--
439		9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF ₃ ONS-NH ₄)	1383434-28-3	--
440		9-氯-3-氧杂全氟壬烷磺酸盐 (9Cl-PF ₃ ONS (anion))	1621485-21-9	--
441	11Cl-PF ₃ OUdS, 及其盐	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF ₃ OUdS)	763051-92-9	0.010
442		11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF ₃ OUdS-K)	83329-89-9	--
443		11-氯-3-氧杂全氟十一烷磺酸盐 (11Cl-PF ₃ OUdS (anion))	2196242-82-5	--
444	PFEEESA, 及其盐	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010
445		全氟(2-乙氧基乙烷)磺酸钾 (PFEESA-K)	117205-07-9	--
446		全氟(2-乙氧基乙烷)磺酸钠 (PFEESA-Na)	113507-87-2	--
447	3:3 FTCA, 及其盐	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
448		4,4,5,6,6,6-七氟己酸盐 (3:3 FTCA(anion))	1169706-83-5	--
449		2H,2H,3H,3H-全氟己酸钠(3:3 FTCA-Na)	1207462-13-2	--
450	PFPeDA, 及其盐	全氟十五烷酸(PFPeDA)	141074-63-7	0.100
451		全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5	--
452	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.200
453	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯(EtFOSAC)	423-82-5	0.200
454	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.200
455	--	九氟丁烷磺酰胺(PFBSA)	30334-69-1	0.100
456	--	N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC ₃ H ₈ O)	34454-97-2	0.010
457		11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100
458		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--



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Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 17 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
459	11H-PFUnDA, 及其盐	11H-全氟十一烷酸铵(11H-PFUnDA-NH ₄)	5081-02-7	--
460		11H-全氟十一烷酸盐 (11H-PFUnDA(anion))	69681-37-4	--
461	PFPrA, 及其盐	五氟丙酸(PFPrA)	422-64-0	0.100
462		五氟丙酸钠(PFPrA-Na)	378-77-8	--
463		五氟丙酸银(PFPrA-Ag)	509-09-1	--
464		五氟丙酸钾(PFPrA-K)	378-76-7	--
465		五氟丙酸铵(PFPrA-NH ₄)	2730-58-7	--
466		五氟丙酸盐(PFPrA(anion))	44864-55-3	--
467		五氟丙酸苯基吡啶 (1/1) (PFPrA-C ₁₀ H ₁₄ N ₂)	893-87-8	--
468		五氟丙酸吡啶(1/1) (PFPrA-C ₄ H ₁₀ N ₂)	1690-94-4	--
469		五氟丙酸咪唑(PFPrA-C ₃ H ₄ N ₂)	200705-90-4	--
470	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
471		全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4	--
472		全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2	--
473		全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH ₄)	13043-05-5	--
474		全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1	--
475	PFETs, 及其盐	全氟乙烷磺酸(PFETs)	354-88-1	0.010
476		全氟乙烷磺酸盐 (PFETs (anion))	108410-37-3	--
477		全氟乙烷磺酸钾 (PFETs-K)	2837-92-5	--
478	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
479		双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0	--
480		双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1	--
481	TFSI, 及其盐	双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3	0.010
482		1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4	--
483		三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5	--
484		双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6	--
485		1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6	--
486		双(三氟甲磺酰基)亚胺锌 II) ((TFSI) ₂ -Zn)	168106-25-0	--
487		双(三氟甲磺酰基)亚胺锰 II) ((TFSI) ₂ -Mn)	207861-55-0	--
488		双(三氟甲磺酰基)亚胺镍 II) ((TFSI) ₂ -Ni)	207861-63-0	--
489		双(三氟甲磺酰基)亚胺铜 II) ((TFSI) ₂ -Cu)	162715-14-2	--
490		三[1,1,1-三氟-N-[(三氟甲基)磺酰基-KO]甲磺酰基-KO]-铁 ((TFSI) ₃ -Fe)	207861-59-4	--
491		三氟甲烷磺酰亚胺铜 II) 二水合物 ((TFSI) ₂ -CuH ₂ O)	1334406-76-6	--
492		双(三氟甲烷磺酰亚胺)银 (TFSI-Ag)	189114-61-2	--



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SGS-TESTING Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 18 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
493		双(三氟甲基磺酰基)亚胺铜 (TFSI-Cu)	291300-50-0	--
494		双(三氟甲烷磺酰基)钡((TFSI) ₂ -Ba)	168106-22-7	--
495		双(三氟甲基磺酰基)亚胺锶 ((TFSI) ₂ -Sr)	862121-57-1	--
496		1-甲基咪唑双(三氟甲磺酰基)亚胺	353239-08-4	--
497		1-乙基-3-甲基咪唑鎓双	174899-82-2	--
498		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	--
499		双(三氟甲基磺酰基)亚胺镁 (TFSI-Mg)	133395-16-1	--
500		1-甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	216299-72-8	--
501		1-丁基-1-甲基咪唑鎓双(三氟甲基磺酰基)亚胺盐	623580-02-9	--
502		1-甲基-3-正辛基咪唑鎓双(三氟甲磺酰基)亚胺盐	178631-04-4	--
503		三[双(三氟甲基磺酰基)氨基]镱 ((TFSI) ₃ -Yb)	175438-43-4	--
504		丁基-三甲基双(三氟甲基磺酰基)亚胺铵	258273-75-5	--
505		双(三氟甲基磺酰基)亚胺钴 ((TFSI) ₂ -Co)	207861-61-8	--
506		双(三氟甲磺酰基)亚胺钾 (TFSI-K)	90076-67-8	--
507		1-甲基-1-丙基哌啶-1-鎓双(三氟甲基)磺酰基)-酰胺	608140-12-1	--
508		1-乙基-2,3-二甲基咪唑鎓双(三氟甲烷磺酰基)亚胺盐	174899-90-2	--
509		1-甲基-1-丙基吡咯烷鎓双(三氟甲磺酰基)亚胺盐	223437-05-6	--
510		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	--
511		双(三氟甲基磺酰基)亚胺胆碱	827027-25-8	--
512		1-十二烷基-3-甲基咪唑鎓双(三氟甲磺酰基)亚胺盐	404001-48-5	--
513		1-乙基-1-甲基吡咯烷双(三氟甲基磺酰基)亚胺盐	223436-99-5	--
514		二乙基甲基硫双(三氟甲基磺酰基)亚胺	792188-85-3	--
515		双(三氟甲基磺酰基)叠氮化物: 汞(2+) ((TFSI) ₂ -Hg)	104715-41-5	--
516	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
517		单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5	-
518		二十一氟十二烷基磷酸二氢酯环己铵盐	2514858-66-1	--
519	TFMS, 及其 盐	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
520		三氟甲磺酸(TFMS)	1493-13-6	0.010
521		三氟甲磺酸钠盐(TFMS-Na)	2926-30-9	0.010
522		三氟甲磺酸银盐(TFMS-Ag)	2923-28-6	--
523		三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2	--
524		三氟甲磺酸钪盐(TFMS-Sc)	144026-79-9	--
525		三氟甲磺酸酐	358-23-6	--
526		三氟甲磺酸锂盐(TFMS-Li)	33454-82-9	--
527		三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2	--
528		三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7	--



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SGS-TESTING Technical Services (Chongqing) Co., Ltd.
Chemical Laboratory

Liangjiang Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgs.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 19 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
529		三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2	--
530		三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2	--
531		三氟甲磺酸钾盐(TFMS-K)	2926-27-4	--
532		三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3	--
533		三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8	--
534		三氟甲磺酸钇盐(TFMS-Y)	52093-30-8	--
535		三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7	--
536		三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5	--
537		三氟甲磺酸四丁基铵	35895-70-6	--
538		三氟甲磺酸甲基三辛基铵	121107-18-4	--
539		咪唑三氟甲磺酸酯	29727-06-8	--
540		三氟乙酰基三氟甲磺酸酯	68602-57-3	--
541		三氟甲磺酸镧(III) (TFMS-La)	52093-26-2	--
542		三氟甲磺酸铟(III) (TFMS-In)	128008-30-0	--
543		三氟甲磺酸钐(III)(TFMS-Sm)	52093-28-4	--
544		三氟甲磺酸铋(III) (TFMS-Yb)	54761-04-5	--
545		三氟甲磺酸铥(III) (TFMS-Tm)	141478-68-4	--
546		三氟甲磺酸四乙基铵	35895-69-3	--
547		三氟甲磺酸 1-氟-3,5-二氯吡啶	107264-06-2	--
548		三氟甲磺酸三乙胺盐	646-58-2	--
549		三苯基三氟甲磺酸酐磷	72450-51-2	--
550		N, N-二乙基-6-(二乙氨基)-9-(2-(甲氧羰基)苯基)-3H-噻-3-亚基三氟甲磺酸铵	120611-30-5	--
551		三氟甲磺酸二苯铵	164411-06-7	--
552		1-(3-氨基氮杂环丁烷-1-基)丙-2-烯-1-酮, 三氟甲磺酸	2060047-56-3	--
553		三氟甲磺酸胍	153756-25-3	--
554		三氟甲磺酸-1-乙基-1H-咪唑 (1/1)	501693-46-5	--
555		钪(3+) (OC-6-22)-与三氟甲磺酸 (1:3)的盐	74468-24-9	--
556		O-新戊酰基羟胺三氟甲磺酸酯	1293990-73-4	--
557		三氟甲磺酰氯	421-83-0	--
558		(2-吡啶甲基)磺酰氯三氟甲磺酸酯	882564-09-2	--
559		三氟甲磺酰溴	15458-53-4	--
560		三氟甲磺酸汞(II)(TFMS-Hg)	49540-00-3	--
561		三氟甲磺酸镝(III)(TFMS-Dy)	139177-62-1	--
562		三氟甲磺酸锰(II)(TFMS-Mn)	55120-76-8	--
563		三氟甲磺酸五胺钪(III)	83781-30-0	--
564		三氟甲磺酸镱(III)(TFMS-Lu)	126857-69-0	--



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第 20 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
565		三氟甲磺酸铽(III)(TFMS-Tb)	148980-31-8	--
566		三氟甲磺酸钕(III)(TFMS-Nd)	34622-08-7	--
567		三氟甲磺酸铵(TFMS-NH ₄)	38542-94-8	--
568		三氟甲磺酸铥(III)(TFMS-Ho)	139177-63-2	--
569		三氟甲磺酸酯	37181-39-8	--
570		三氟甲磺酸镨(III)(TFMS-Pr)	52093-27-3	--
571		三氟甲磺酸铋(III)(TFMS-Bi)	88189-03-1	--
572		三氟甲磺酸铕(III)(TFMS-Eu)	52093-25-1	--
573		三氟甲磺酸铒(III)(TFMS-Er)	139177-64-3	--
574		三氟甲磺酸镓(III)(TFMS-Ga)	74974-60-0	--
575		N,N,N-三乙基-2,2,2-三氟乙烷-1-三氟甲磺酸铵	380230-73-9	--
576		三氟甲磺酸钙(II)(TFMS-Ga)	55120-75-7	--
577		三氟甲磺酸铊(I)(TFMS-Tl)	73491-36-8	--
578		三氟甲磺酸铪(IV)(TFMS-Hf)	161337-67-3	--
579	PFPrS, 及其盐	全氟丙烷磺酸(PFPrS)	423-41-6	0.010
580		全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9	--
581	-	1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	0.200
582	-	1-碘-1H, 1H, 2H, 2H-全氟己烷(4:2 FTI)	2043-55-2	0.200
583	PFHpSi, 及其盐	全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8	0.010
584		全氟庚烷-1-亚磺酸钠盐 (PFHpSi-Na)	68555-66-8	--
585	PFOPA, 及其盐	全氟辛基磷酸 (PFOPA)	40143-78-0	0.010
586		全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0	--
587	-	1H, 1H-全氟辛胺(7:1 FTNH ₂)	307-29-9	0.200
588	-	全氟庚酰胺(PFHpA-NH ₂)	2358-22-7	0.100
589	-	全氟丁酰胺(PFBA-NH ₂)	662-50-0	0.200
590	-	1H, 1H, 2H, 2H-九氟己酯(4:2 FTA)	52591-27-2	0.200
591	-	N-甲基-九氟丁磺酰胺(MeFBSA)	68298-12-4	0.010
592	-	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
593	TFA, 及其盐	三氟乙酸(TFA)	76-05-1	1.000
594		三氟乙酸钠(TFA-Na)	2923-18-4	--
595		三氟乙酸铊(TFA-Tl)	23586-53-0	--
596		三氟乙酸锂(TFA-Li)	2923-17-3	--
597		三氟乙酸银(TFA-Ag)	2966-50-9	--
598		三氟乙酸铯(TFA-Cs)	21907-50-6	--
599		三氟乙酸钾(TFA-K)	2923-16-2	--
600		三氟乙酸铵(TFA-NH ₄)	3336-58-1	--



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SGS-CTS (China) Technical Services (Shanghai) Co., Ltd.
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 21 页, 共 26 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
601		三氟乙酸汞(TFA-Hg)	13257-51-7	--
602		三氟乙酸钯(TFA-Pd)	42196-31-6	--
603		三氟乙酸盐(TFA anion)	14477-72-6	--
604		三氟乙酸二甲基[(三氟乙酰基)氧基]铈	57738-66-6	--
605		三氟乙酸铝(III)(TFA-Al)	36554-89-9	--
606		三氟乙酸钡(II)(TFA-Ba)	60884-92-6	--
607		三氟乙酸铒(III)(TFA-Er)	70236-99-6	--
608		三氟乙酸铟(III)(TFA-In)	36554-90-2	--
609		三氟乙酸镧(III)(TFA-La)	70236-92-9	--
610		三氟乙酸镍(II)(TFA-Ni)	16083-14-0	--
611		三氟乙酸铅(II)(TFA-Pb)	4146-73-0	--
612		三氟乙酸铑(II)(TFA-Rh)	72654-51-4	--
613		三氟乙酸铥(III)(TFA-Tm)	70237-00-2	--
614		三氟乙酸镱(III)(TFA-Yb)	87863-62-5	--
615		三氟乙酸锌(II)(TFA-Zn)	21907-47-1	--
616		三氟乙酸钌(II)(TFA-Ru)	61612-84-8	--
617		三氟乙酸镁(II)(TFA-Mg)	123333-72-2	--
618		三氟乙酸铜(II)(TFA-Cu)	123333-88-0	--
619	BETI, 及其盐	双(五氟乙烷磺酰基)亚胺	152894-10-5	0.020
620		双(五氟乙烷磺酰基)亚胺基锂(BETI-Li)	132843-44-8	--
621		双(五氟乙烷磺酰基)亚胺基阴离子	129318-46-3	--
622		双(五氟乙烷磺酰基)亚胺基钠 (BETI-Na)	152894-04-7	--
623		双(五氟乙烷磺酰基)亚胺基钾 (BETI-K)	221203-22-1	--
624		1-乙基-3-甲基咪唑啉双(五氟乙基磺酰基)亚胺	216299-76-2	--
625	--	全氟-2-乙氧基丙酸(PEPA)	267239-61-2	0.010
626	PFDPA, 及其盐	全氟癸基膦酸(PFDPA)	52299-26-0	0.010
627		全氟癸基膦酸 4-甲基苯甲胺	--	--
628		全氟癸基膦酸二-4-甲苯胺盐	--	--
629	PFHxPA, 及其盐	全氟己基膦酸	40143-76-8	0.010
630		全氟己基膦酸 4-甲基苯甲胺	1263361-02-9	--

(2) 针对纺织品和皮革, ~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-乙基全氟辛基磺酰胺基)丙烯酸乙酯 (EtFOSAC) ~	423-82-5
PFOA, 及其可能来源	



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SGS-CTC (Shanghai) Technical Services (Shanghai) Co., Ltd.
Chemical Laboratory

Liangjiang Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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第 22 页, 共 26 页

物质名称	CAS No.
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
2- (全氟癸基)甲基丙烯酸乙酯 (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-甲基丙烯酸全氟辛酯 (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
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-羟基乙基)-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



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Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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检测报告
(PFAS)

编号: CKGEC25001498226

日期: 2025 年 11 月 14 日

第 23 页, 共 26 页

- (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。



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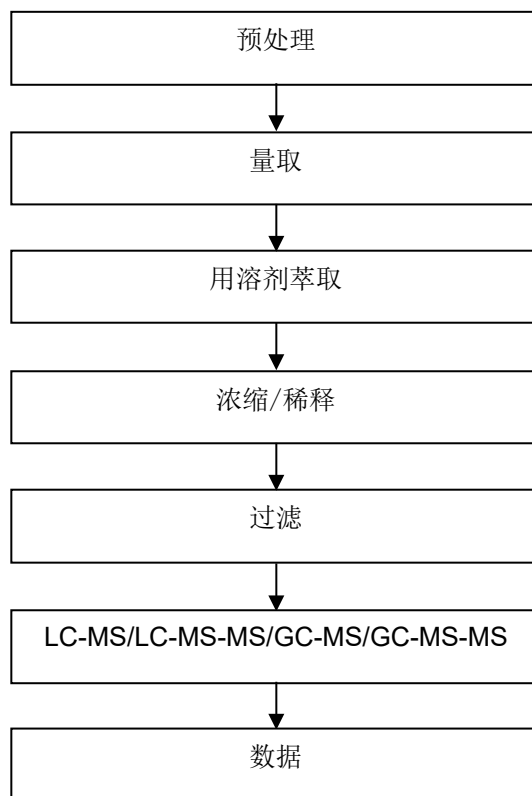
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SGS-CSTC (重庆) 检验检测有限公司
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

PFASs/ PFOS/PFOA 检测流程图



检测报告
(PFAS)

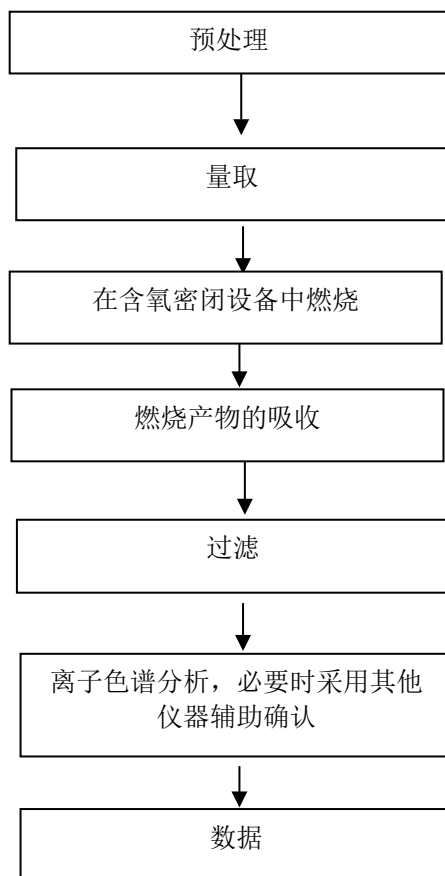
附件

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第 25 页, 共 26 页

卤素检测流程图



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SGS-CTC (重庆) 技术服务有限公司
Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

t (86-23) 6311 0882 www.sgsgroup.com.cn
t (86-23) 6311 0882 sgs.china@sgs.com

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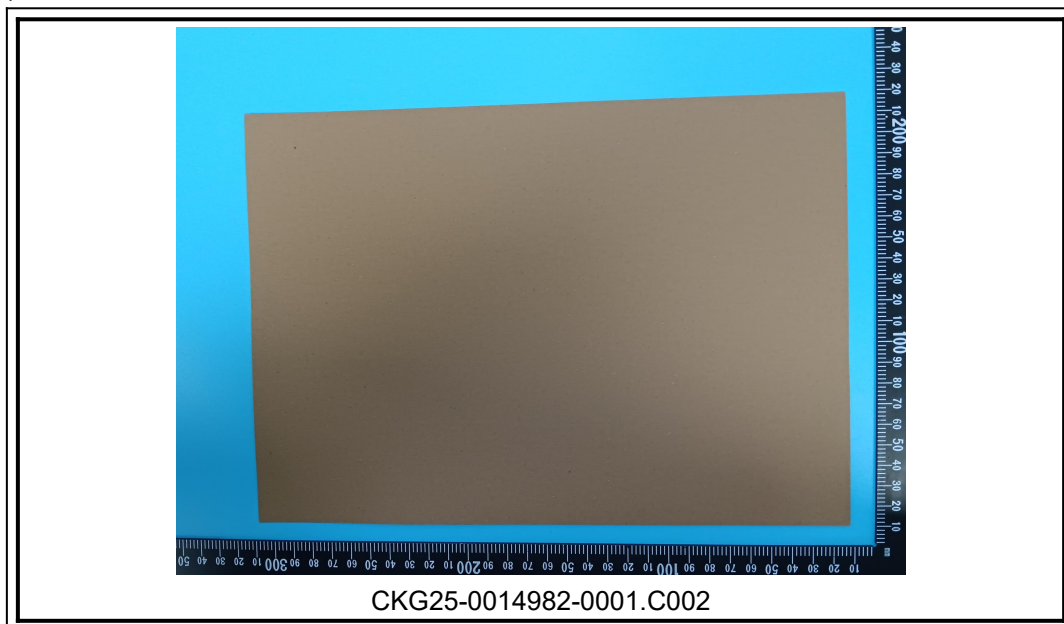
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第 26 页, 共 26 页

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