

检测报告  
(PFAS)

No.: SHAEC24006970408

Date: 2024年04月24日

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客户名称: 汉升密封科技(上海)有限公司  
客户地址: 上海市松江工业区江田东路 205 号

样品名称: E5J01B+E6J01B+E6J11B  
料号: E6001B+E7001B+E7011B

以上样品及信息由客户提供。

SGS 工作编号: SHP24-010736  
样品接收时间: 2024年04月11日  
检测周期: 2024年04月11日 ~ 2024年04月18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:

靶向 310 项全氟和多氟烷基化合物 (PFAS) 含量

见检测结果

通标标准技术服务(上海)有限公司  
授权签名

Jenny Lan 兰柳珍  
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	No. of PFAS Tested	样品描述
SN1	A4	SHA24-0069704-0001.C004	102	黑色橡胶+黑色橡胶+黑色橡胶

**靶向 310 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。

检测结果: (PFAS 清单中的物质)

物质名称	CAS No.	A4 浓度 (mg/kg)	MDL (mg/kg)
所有检测清单中的 PFAS	-	ND	-

备注:

- 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。
- MDL= 方法检出限  
ND = 未检出(低于 MDL)
- 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。
- ^=物质是指附录中列出的盐/衍生物。

备注:

合测是基于客户要求, 选取合测样品中随机部位进行合样检测。

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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附录:

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	1
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 <sub>4</sub> )	29081-56-9	--
6		全氟辛基磺酸二乙醇铵(PFOS-NH <sub>2</sub> (C <sub>2</sub> H <sub>4</sub> OH) <sub>2</sub> )	70225-14-8	--
7		全氟辛基磺酸四乙基铵(PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	56773-42-3	--
8		全氟辛基磺酸二癸二甲基铵(PFOS-N(C <sub>10</sub> H <sub>21</sub> ) <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )	251099-16-8	--
9		全氟辛基磺酸四丁基铵(PFOS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	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		全氟辛烷磺酸吡啶	71463-74-6	--
13	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	1
14	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	1
15	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	1
16	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	1
17	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	1
18		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
19		全氟辛基磺酰胺钠盐(1:1)(PFOSA-Na)	76752-78-8	--
20		全氟辛基磺酰胺钾盐(1:1)(PFOSA-K)	76752-70-0	--
21		全氟辛基磺酰胺铵盐(1:1)(PFOSA-NH <sub>4</sub> )	76752-72-2	--
22	PFOA, 及其盐 &衍生物	全氟辛酸(PFOA)	335-67-1	1
23		全氟辛酸钠(PFOA-Na)	335-95-5	--
24		全氟辛酸钾(PFOA-K)	2395-00-8	--
25		全氟辛酸银(PFOA-Ag)	335-93-3	--
26		全氟辛酰氟(PFOA-F)	335-66-0	--
27		全氟辛酸铵(APFO)	3825-26-1	--
28		全氟辛酸锂(PFOA-Li)	17125-58-5	--
29		全氟辛酸钴(PFOA-Co)	35965-01-6	--
30		全氟辛酸铯(PFOA-Cs)	17125-60-9	--
31		全氟辛酸铬(3+)(PFOA-Cr(3+))	68141-02-6	--
32		全氟辛酸-哌嗪(2:1)PFOA-NH(C <sub>4</sub> H <sub>10</sub> N)	423-52-9	--



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
33		全氟辛酸盐	45285-51-6	--
34		全氟辛酸酐	33496-48-9	--
35	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	1
36		1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
37		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH <sub>4</sub> )	149724-40-3	--
38		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
39	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	1
40	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	1
41	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	1
42	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	1
43	--	全氟辛基碘烷(PFOI)	507-63-1	1
44	H <sub>2</sub> PFDA/8:2 FTCA, 及其盐	2H,2H-全氟癸酸(H <sub>2</sub> PFDA/8:2 FTCA)	27854-31-5	1
45		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	882489-14-7	--
46	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	1
47	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)	2043-53-0	1
48	--	1H,1H,2H,2H-全氟癸基三乙氧基硅烷(8:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	101947-16-4	1
49	8:2diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)	678-41-1	1
50		双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)	114519-85-6	--
51	H <sub>4</sub> PFUnDA/8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(H <sub>4</sub> PFUnDA/8:3 FTCA)	34598-33-9	1
52		2H,2H,3H,3H-全氟十一烷酸钾(H <sub>4</sub> PFUnDA-K)	83310-58-1	--
53	--	全氟辛基乙烯(PFDE)	21652-58-4	1
54	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	1
55	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	1
56		全氟壬酸钠(PFNA-Na)	21049-39-8	--
57		全氟壬酸铵(PFNA-NH <sub>4</sub> )	4149-60-4	--
58		全氟壬酸钾(PFNA-K)	21049-38-7	--
59		全氟壬酸锂(PFNA-Li)	60871-92-3	--
60		全氟壬酸银(PFNA-Ag)	7358-16-9	--
61		全氟壬酸甲铵(PFNA-NH <sub>3</sub> (CH <sub>3</sub> ))	77032-23-6	--
62		全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> )	77032-27-0	--
63		全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )	77032-24-7	--



No.	组名	物质名称	CAS No.	MDL (mg/kg)
64		全氟壬酸-N, N-二乙基乙酰胺(1:1) (9CI) (PFNA-NH(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	327176-80-7	--
65		全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH <sub>2</sub> (C <sub>5</sub> H <sub>10</sub> ))	95682-66-9	--
66		全氟壬酸-苯胺(1:1) (PFNA-NH <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> ))	95682-67-0	--
67		全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH <sub>3</sub> (C <sub>6</sub> H <sub>11</sub> ))	328531-06-2	--
68		全氟壬酸盐	72007-68-2	--
69	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	1
70		全氟癸酸钠(PFDA-Na)	3830-45-3	--
71		全氟癸酸铵(PFDA-NH <sub>4</sub> )	3108-42-7	--
72		全氟癸酸钾(PFDA-K)	51604-85-4	--
73		全氟癸酸银(PFDA-Ag)	5784-82-7	--
74		全氟癸酸锂(PFDA-Li)	84743-32-8	--
75		全氟癸酸盐	73829-36-4	--
76	PFUnDA, 及其盐	全氟十一烷酸(PFUnDA)	2058-94-8	1
77		全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
78		全氟十一烷酸铵(PFUnDA-NH <sub>4</sub> )	4234-23-5	--
79		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
80		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
81		全氟十一烷酸盐	196859-54-8	--
82	PFDoDA, 及其盐	全氟十二烷酸(PFDoDA)	307-55-1	1
83		全氟十二烷酸铵(PFDoDA-NH <sub>4</sub> )	3793-74-6	--
84		全氟十二烷酸钠(PFDoDA-Na)	60872-01-7	--
85		全氟十二烷酸盐	171978-95-3	--
86	PFTrDA, 及其盐	全氟十三烷酸(PFTrDA)	72629-94-8	1
87		全氟十三烷酸铵(PFTrDA-NH <sub>4</sub> )	4288-72-6	--
88		全氟十三烷酸盐	862374-87-6	--
89	PFTDA, 及其盐	全氟十四烷酸(PFTDA)	376-06-7	1
90		全氟十四烷酸盐	365971-87-5	--
91	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	1
92	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	1
93		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
94		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--
95		全氟癸基磺酸铵(PFDS-NH <sub>4</sub> )	67906-42-7	--
96		全氟癸基磺酸盐	126105-34-8	--
97	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	1



No.	组名	物质名称	CAS No.	MDL (mg/kg)
98	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)	17741-60-5	1
99	--	2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)	2144-54-9	1
100	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	1
101	--	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	1
102	--	全氟癸基乙基碘(10:2 FTI)	2043-54-1	1
103	--	1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)	30046-31-2	1
104	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	1
105		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
106		全氟壬烷磺酸铵(PFNS-NH <sub>4</sub> )	17202-41-4	--
107		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
108		全氟壬烷磺酸盐	474511-07-4	--
109	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	1
110		全氟十一烷磺酸盐	441296-91-9	--
111	PFDoDS, 及其盐	全氟十二烷磺酸(PFDoDS)	79780-39-5	1
112		全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1	--
113		全氟十二烷磺酸钾(PFDoDS-K)	85187-17-3	--
114		全氟十二烷磺酸盐	343629-43-6	--
115	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	1
116		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
117	--	双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)	1895-26-7	1
118	--	1-碘全氟癸烷(PFDI)	423-62-1	1
119	--	全氟碘代十二烷(PFDoDI)	307-60-8	1
120	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	1
121		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
122		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
123		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
124		全氟己基磺酸铵(PFHxS-NH <sub>4</sub> )	68259-08-5	--
125		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
126		N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	108427-54-9	--
127		N,N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	108427-55-0	--
128		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC <sub>4</sub> H <sub>9</sub> )	1187817-57-7	--



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t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

No.	组名	物质名称	CAS No.	MDL (mg/kg)
129		全氟-1-己基磺酸-N-[4-[[4-(二乙氨基)苯基][4-(乙氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐(PFHxS-(NC <sub>10</sub> H <sub>14</sub> ) <sub>3</sub> C <sub>5</sub> H <sub>4</sub> )	1310480-24-0	--
130		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>13</sub> H <sub>12</sub> )	1310480-27-3	--
131		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>17</sub> H <sub>12</sub> )	1310480-28-4	--
132		全氟己基磺酸与β-环糊精络合物(PFHxS-C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> )	1329995-45-0	--
133		全氟己基磺酸与γ-环糊精络合物(PFHxS-C <sub>48</sub> H <sub>80</sub> O <sub>40</sub> )	1329995-69-8	--
134		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
135		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]吡啶-7-基]乙烯基]盐(PFHxS-C <sub>44</sub> H <sub>37</sub> N <sub>2</sub> O <sub>2</sub> )	1462414-59-0	--
136		全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> )	153443-35-7	--
137		N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
138		全氟己基磺酸与2-甲基-2-丙胺络合物(1:1)(PFHxS-NH <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub> )	202189-84-2	--
139		全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )	213740-81-9	--
140		全氟己基磺酸镓(9Cl)(PFHxS-Ga)	341035-71-0	--
141		全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-S(C <sub>7</sub> H <sub>7</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )	341548-85-4	--
142		全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
143		全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--
144		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
145		全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐(PFHxS-S <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> ) <sub>4</sub> (C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> )	421555-73-9	--
146		全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐(PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>5</sub> H <sub>11</sub> ) <sub>2</sub> )	421555-74-0	--
147		全氟己基磺酰氟(PFHxS-F)	423-50-7	--



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
148		全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐(PFHxS-S(C <sub>6</sub> H <sub>4</sub> ) <sub>3</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> )	425670-70-8	--
149		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
150		全氟己基磺酸与 2,2'-亚氨基二乙醇络合物(PFHxS-NH(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> )	70225-16-0	--
151		全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	72033-41-1	--
152		全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )	866621-50-3	--
153		全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>7</sub> H <sub>7</sub> )	910606-39-2	--
154		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 <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>10</sub> H <sub>9</sub> O <sub>2</sub> )	911027-68-4	--
155		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
156		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 <sub>28</sub> H <sub>31</sub> O <sub>4</sub> )	928049-42-7	--
157		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
158		PFHxS-磺酸酯聚合物	911027-69-5	--
159		全氟己基磺酸盐	108427-53-8	--
160	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	1
161	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	1
162	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	1
163	--	2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯(N-MeFHSEA)	67584-57-0	1
164	--	2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	1
165	--	2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	1
166	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺(MeFHxSE)	68555-75-9	1
167	EtFHxSAA, 及其盐	N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA)	68957-32-4	1
168		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
169		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
170	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	1
171		全氟己酸铵(APFHx)	21615-47-4	--



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
172		全氟己酸钠(PFHxA-Na)	2923-26-4	--
173		全氟己酸钾(PFHxA-K)	3109-94-2	--
174		全氟己酰氟(PFHxA-F)	355-38-4	--
175		全氟己酸银(PFHxA-Ag)	336-02-7	--
176		全氟己酸锂(PFHxA-Li)	90430-61-8	--
177		全氟己酸酐	308-13-4	--
178		全氟己酸哌嗪(2:1)	423-47-2	--
179		全氟己酸盐	92612-52-7	--
180		PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4
181	七氟丁酸铵(PFBA-NH <sub>4</sub> )		10495-86-0	--
182	七氟丁酸钠(PFBA-Na)		2218-54-4	--
183	七氟丁酸钾(PFBA-K)		2966-54-3	--
184	七氟丁酸银(PFBA-Ag)		3794-64-7	--
185	全氟丁酸锂(PFBA-Li)		4146-76-3	--
186	七氟丁酸哌嗪(1:1)		375-04-2	--
187	全氟丁酸盐		45048-62-2	--
188	PFBS, 及其盐 & 衍生物	全氟丁磺酸(PFBS)	375-73-5	1
189		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
190		全氟丁基磺酸水合物(PFBS-H <sub>2</sub> O)	59933-66-3	--
191		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
192		全氟丁基磺酸三苯基铊盐(TPS-PFBS)	144317-44-2	--
193		全氟丁基磺酸二甲基(苯基)铊(PFBS-S(CH <sub>3</sub> ) <sub>2</sub> (C <sub>6</sub> H <sub>5</sub> ))	220133-51-7	--
194		全氟丁基磺酸四丁基磷(PFBS-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	220689-12-3	--
195		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	25628-08-4	--
196		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
197		全氟丁磺酸吗啉(PFBS-NC <sub>4</sub> H <sub>9</sub> O)	503155-89-3	--
198		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
199		全氟丁基磺酸铵(PFBS-NH <sub>4</sub> )	68259-10-9	--
200		1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐(PFBS-SC <sub>18</sub> H <sub>23</sub> O)	209482-18-8	--
201		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
202		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
203		全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )	194999-85-4	--



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
204		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 <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> )	70225-18-2	--
205		全氟丁基磺酸四丁基铵((PFBS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> ))	108427-52-7	--
206		全氟丁基磺酸二苯碘((PFBS-I(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> ))	194999-82-1	--
207		全氟丁基磺酸三(4-叔丁基苯基)铈	241806-75-7	--
208		全氟丁基磺酸(4-环己基苯基)(二苯基)铈	425670-64-0	--
209		全氟丁基磺酸 1-(1-甲基-1H-吡啶-3-基)硫醇-1-鎓	867373-18-0	--
210		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
211		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
212		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
213		全氟丁基磺酸 N, N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
214		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	--
215		全氟丁基磺酸 N, N-二丁基-N-甲基丁烷-1-胺 (1:1)	124472-66-8	--
216		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
217		全氟丁基磺酸 N, N, N-三丙基戊烷(1:1)	56773-55-8	--
218		全氟丁基磺酸四甲基铵盐 (PFBS-N(CH <sub>3</sub> ) <sub>4</sub> )	25628-17-5	--
219		全氟丁烷磺酸酐	36913-91-4	--
220		全氟丁基磺酸盐	45187-15-3	--
221		全氟戊酸(PFPeA)	2706-90-3	1
222		全氟戊酸钠(PFPeA-Na)	2706-89-0	--
223		全氟戊酸钾(PFPeA-K)	336-23-2	--
224	PFPeA, 及其盐	全氟戊酸锂(PFPeA-Li)	198482-22-3	--
225		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
226		全氟戊酸铵(PFPeA-NH <sub>4</sub> )	68259-11-0	--
227		全氟戊酸盐	45167-47-3	--
228		7H-十二氟庚酸(HPFHpA)	1546-95-8	1
229	HPFHpA, 及其盐	7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
230		7H-十二氟庚酸铵(HPFHpA-NH <sub>4</sub> )	376-34-1	--
231		全氟庚烷磺酸(PFHpS)	375-92-8	1
232		全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
233	PFHpS, 及其盐	全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
234		全氟庚磺酸铵(PFHpS-NH <sub>4</sub> )	68259-07-4	--
235		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--



No.	组名	物质名称	CAS No.	MDL (mg/kg)	
236		全氟庚烷磺酸-双(2-羟乙基)铵 (1:1)	70225-15-9	--	
237		全氟庚烷磺酸盐	146689-46-5	--	
238	PFHpA, 及其盐	全氟庚酸(PFHpA)	375-85-9	1	
239		全氟庚酸钠(PFHpA-Na)	20109-59-5	--	
240		全氟庚酸钾(PFHpA-K)	21049-36-5	--	
241		全氟庚酸铵(PFHpA-NH <sub>4</sub> )	6130-43-4	--	
242		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--	
243		全氟庚酸银(PFHpA-Ag)	424-05-5	--	
244		全氟庚酸锂(PFHpA-Li)	60871-90-1	--	
245		全氟庚酸盐	120885-29-2	--	
246		6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	1
247			1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
248	1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)		59587-38-1	--	
249	1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH <sub>4</sub> )		59587-39-2	--	
250	1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)		1807944-82-6	--	
251	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	1	
252	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	1	
253	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	1	
254	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	1	
255		2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH <sub>4</sub> )	62037-80-3	--	
256		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--	
257		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	--	
258	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	1	
259		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--	
260	--	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	1	
261	--	N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-MeFOSAA)	2355-31-9	1	
262	--	N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6	1	
263	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	1	
264		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--	
265		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--	
266		全氟戊磺酸铵(PFPeS-NH <sub>4</sub> )	68259-09-6	--	
267		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--	
268		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--	



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
269		全氟戊磺酸盐	175905-36-9	--
270	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	1
271	--	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	1
272	--	全氟正十六酸(PFH <sub>x</sub> DA)	67905-19-5	1
273	--	全氟正十八酸(PFODA)	16517-11-6	1
274	--	1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)	2144-53-8	1
275	ADONA, 及其盐	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	1
276		4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH <sub>4</sub> )	958445-44-8	--
277		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
278	--	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	1
279	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	1
280	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	1
281	--	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF3ONS)	756426-58-1	1
282	--	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF3OUdS)	763051-92-9	1
283	--	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	1
284	--	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	1
285	--	全氟十五烷酸(PFPeDA)	141074-63-7	1
286	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	1
287	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯(EtFOSAC)	423-82-5	1
288	--	全氟辛基三乙氧基硅烷(POTS)	51851-37-7	1
289	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	1
290	--	九氟丁烷磺酰胺	30334-69-1	1
291	--	N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC <sub>3</sub> H <sub>8</sub> O)	34454-97-2	1
292	11H-PFUnDA, 及其盐	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	1
293		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
294		11H-全氟十一烷酸铵(11H-PFUnDA-NH <sub>4</sub> )	5081-02-7	--
295	PFPrA, 及其盐	五氟丙酸(PFPrA)	422-64-0	1
296		五氟丙酸钠(PFPrA-Na)	378-77-8	--
297		五氟丙酸银(PFPrA-Ag)	509-09-1	--
298		五氟丙酸钾(PFPrA-K)	378-76-7	--
299		五氟丙酸铵(PFPrA-NH <sub>4</sub> )	2730-58-7	--
300		--	1H, 1H, 2H, 2H-全氟癸基三氯硅烷	78560-44-8



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## 检测报告 (PFAS)

No.: SHAEC24006970408

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
301	--	1H, 1H, 2H, 2H-全氟癸基三甲氧基硅烷	83048-65-1	1
302	--	1H, 1H, 2H, 2H-全氟辛基三氯硅烷	78560-45-9	1
303	--	1H, 1H, 2H, 2H-全氟癸基甲基二氯硅烷	3102-79-2	1
304	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	1
305	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	1
306	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	1
307	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	1
308	--	6:6 全氟次磷酸(6:6 PFPi)	40143-77-9	1
309	--	6:8 全氟次磷酸(6:8 PFPi)	610800-34-5	1
310	--	8:8 全氟次磷酸 (8:8 PFPi)	40143-79-1	1



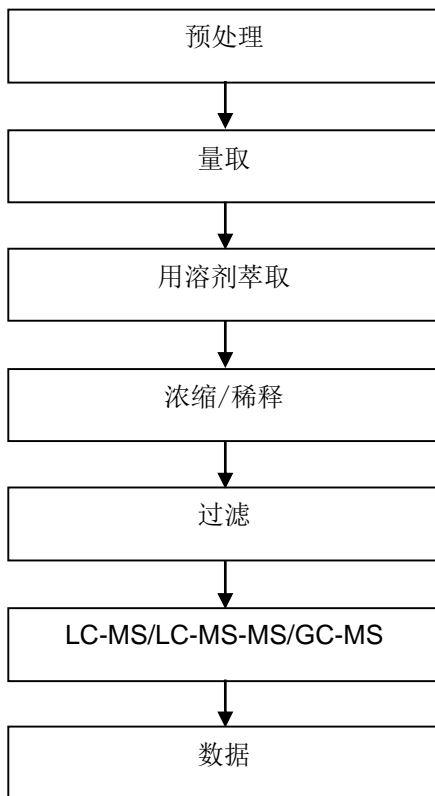
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### PFASs/ PFOS/PFOA 检测流程图



## 检测报告 (PFAS)

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