

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 1 of 13

客户名称: 深圳铁氟龙新材料科技有限公司
客户地址: 深圳市龙岗区坪西社区顺景路 1 号 K 栋 101

样品名称: PFA

以上样品及信息由客户提供。

SGS 工作编号: SZP24-004927
样品接收时间: 2024 年 02 月 21 日
检测周期: 2024 年 02 月 21 日 ~ 2024 年 03 月 01 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 233 项全氟和多氟烷基化合物 (PFAS) 含量

通过

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

scan to see the report



A6981FF2



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日 Page 2 of 13

检测样品:

样品描述:

检测部件 ID	材料描述	检测部件 ID	材料描述
A1	无色半透明塑胶粒	-	-

检测组:

检测结果 ID	样品描述	检测部件 ID	SGS 样品 ID
001	无色半透明塑胶粒	A1	CAN24-0028957-0001.C001

靶向 233 项全氟和多氟烷基化合物 (PFAS) 含量

检测方法:

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSL Standards Technical Services Co., Ltd. No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
Guangzhou Branch/Technical Services Chemical Laboratory 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 3 of 13

检测结果: (PFAS 清单中的物质)

物质名称	CAS No.	001 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。

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。



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch/Technical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 4 of 13

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	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		全氟辛基磺酰氟(PFOS-F)	307-35-7	--
10		双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4	--
11		全氟辛烷磺酸哌啶	71463-74-6	--
12	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	0.010
13	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	0.010
14	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	0.010
15	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	0.010
16	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	0.010
17		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
18	PFOA, 及其盐&衍生物	全氟辛酸(PFOA)	335-67-1	0.010
19		全氟辛酸钠(PFOA-Na)	335-95-5	--
20		全氟辛酸钾(PFOA-K)	2395-00-8	--
21		全氟辛酸银(PFOA-Ag)	335-93-3	--
22		全氟辛酰氟(PFOA-F)	335-66-0	--
23		全氟辛酸铵(APFO)	3825-26-1	--
24		全氟辛酸锂(PFOA-Li)	17125-58-5	--
25		1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
26	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
27		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH ₄)	149724-40-3	--
28		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
29		1H,1H,2H,2H-全氟癸磺酸锂(8:2 FTS-Li)	27619-96-1	--
29	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.100
30	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.100
31	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	0.100
32	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	0.100
33	--	全氟辛基碘烷(PFOI)	507-63-1	0.100
34	--	2H,2H-全氟癸酸(H ₂ PFDA/8:2 FTCA)	27854-31-5	0.010

SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城珠路198号 邮编: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 5 of 13

35	H ₂ PFDA/8:2 FTCA, 及其盐	四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7	--
36	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
37	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)	2043-53-0	0.100
38	--	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
39	8:2diPAP, 及其盐	双(2-(全氟乙基))磷酸(8:2diPAP)	678-41-1	0.010
40		双(2-(全氟乙基))磷酸钠(8:2diPAP-Na)	114519-85-6	--
41	H ₄ PFUnDA/ 8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟癸酸(H ₄ PFUnDA/ 8:3 FTCA)	34598-33-9	0.010
42		2H,2H,3H,3H-全氟十一烷酸钾(H ₄ PFUnDA-K)	83310-58-1	--
43	--	全氟辛基乙烯(PFDE)	21652-58-4	0.100
44	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010
45	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
46		全氟壬酸钠(PFNA-Na)	21049-39-8	--
47		全氟壬酸铵(PFNA-NH ₄)	4149-60-4	--
48		全氟壬酸钾(PFNA-K)	21049-38-7	--
49		全氟壬酸锂(PFNA-Li)	60871-92-3	--
50		全氟壬酸银(PFNA-Ag)	7358-16-9	--
51	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	0.010
52		全氟癸酸钠(PFDA-Na)	3830-45-3	--
53		全氟癸酸铵(PFDA-NH ₄)	3108-42-7	--
54		全氟癸酸钾(PFDA-K)	51604-85-4	--
55		全氟癸酸银(PFDA-Ag)	5784-82-7	--
56		全氟癸酸锂(PFDA-Li)	84743-32-8	--
57	PFUnDA, 及其盐	全氟十一烷酸(PFUnDA), 及其盐 ^	2058-94-8	0.010
58		全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
59		全氟十一烷酸铵(PFUnDA-NH ₄)	4234-23-5	--
60		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
61		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
62	PFDODA, 及其盐	全氟十二烷酸(PFDODA)	307-55-1	0.010
63		全氟十二烷铵(PFDODA-NH ₄)	3793-74-6	--
64		全氟十二烷酸钠(PFDODA-Na)	60872-01-7	--
65	PFTrDA, 及其盐	全氟十三烷酸(PFTrDA)	72629-94-8	0.010
66		全氟十三烷酸铵(PFTrDA-NH ₄)	4288-72-6	--
67	--	全氟十四烷酸(PFTDA)	376-06-7	0.010
68	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	0.010
69	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	0.010
70		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
71		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 6 of 13

72		全氟癸基磺酸铵(PFDS-NH ₄)	67906-42-7	--
73	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
74	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)	17741-60-5	0.100
75	--	2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)	2144-54-9	0.100
76	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100
77	--	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	0.010
78	--	全氟癸基乙基碘(10:2 FTI)	2043-54-1	0.100
79	--	1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)	30046-31-2	0.100
80	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
81		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
82		全氟壬烷磺酸铵(PFNS-NH ₄)	17202-41-4	--
83		全氟磺酸钾(PFNS-K)	29359-39-5	--
84	--	全氟十一烷磺酸(PFUnDS)	749786-16-1/ 441296-91-9(anion)	0.010
85	PFDoDS, 及其盐	全氟十二烷磺酸(PFDoDS)	79780-39-5	0.010
86		全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1	--
87	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	0.010
88		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
89	--	双[2-(全氟癸基)乙基]膦酸盐(10:2 diPAP)	1895-26-7	0.100
90	--	1-碘全氟癸烷(PFDI)	423-62-1	0.100
91	--	全氟碘代十二烷(PFDoDI)	307-60-8	0.100
92	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	0.010
93		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
94		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
95		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
96		全氟己基磺酸铵(PFHxS-NH ₄)	68259-08-5	--
97		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
98		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	--
99		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	--
100		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC ₄ H ₉)	1187817-57-7	--
101		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	--
102		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	--



SGS-CST Standards Technical Services Co., Ltd.
Guangzhou Branch, SGS-CST Standards Technical Services Co., Ltd. Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 7 of 13

103	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	--
104	全氟己基磺酸与 β-环糊精络合物(PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0	--
105	全氟己基磺酸与 γ-环糊精络合物(PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8	--
106	全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
107	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]呋啉-7-基]乙烯基]盐(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂)	1462414-59-0	--
108	全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C ₆ H ₅) ₂)	153443-35-7	--
109	N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
110	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	--
111	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	--
112	全氟己基磺酸镓(9Cl)(PFHxS-Ga)	341035-71-0	--
113	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	--
114	全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
115	全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--
116	全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
117	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	--
118	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	--
119	全氟己基磺酰氟(PFHxS-F)	423-50-7	--
120	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	--
121	全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
122	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	--
123	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	--
124	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	--
125	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	--
126	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	--
127	全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--

SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 8 of 13

128		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	--
129		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
130		PFHxS-磺酸酯聚合物	911027-69-5	--
131	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
132	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
133	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	0.010
134	--	2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯(N-MeFHSEA)	67584-57-0	0.500
135	--	2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	0.100
136	--	2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	0.100
137	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺(MeFHxSE)	68555-75-9	0.010
138	--	N-乙基-N-[(十三氟己基)磺酰基]甘氨酸	68957-32-4	0.010
139	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
140		全氟己酸铵(APFHx)	21615-47-4	--
141		全氟己酸钠(PFHxA-Na)	2923-26-4	--
142		全氟己酸钾(PFHxA-K)	3109-94-2	--
143		全氟己酰氟(PFHxA-F)	355-38-4	--
144		全氟己酸银(PFHxA-Ag)	336-02-7	--
145		全氟己酸锂(PFHxA-Li)	90430-61-8	--
146	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
147		七氟丁酸铵(PFBA-NH ₄)	10495-86-0	--
148		七氟丁酸钠(PFBA-Na)	2218-54-4	--
149		七氟丁酸钾(PFBA-K)	2966-54-3	--
150		七氟丁酸银(PFBA-Ag)	3794-64-7	--
151		全氟丁酸锂(PFBA-Li)	4146-76-3	--
152	PFBS, 及其盐&衍生物	全氟丁磺酸(PFBS)	375-73-5	0.010
153		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
154		全氟丁基磺酸水合物(PFBS-H ₂ O)	59933-66-3	--
155		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
156		全氟丁基磺酸三苯基铷盐(TPS-PFBS)	144317-44-2	--
157		全氟丁基磺酸二甲基(苯基)铈(PFBS-S(CH ₃) ₂ C ₆ H ₅)	220133-51-7	--
158		全氟丁基磺酸四丁基磷(PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
159		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C ₂ H ₅) ₄)	25628-08-4	--
160		全氟丁基磺酰氟(PFBS-F)	375-72-4	--



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 9 of 13

161		全氟丁磺酸吗啉(PFBS-NC ₄ H ₉ O)	503155-89-3	--
162		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
163		全氟丁基磺酸铵(PFBS-NH ₄)	68259-10-9	--
164		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	--
165		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
166		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
167		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	--
168		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	--
169	PFPeA, 及其盐	全氟戊酸(PFPeA)	2706-90-3	0.010
170		全氟戊酸钠(PFPeA-Na)	2706-89-0	--
171		全氟戊酸钾(PFPeA-K)	336-23-2	--
172		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
173		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
174		全氟戊酸铵(PFPeA-NH ₄)	68259-11-0	--
175	HPFHpA, 及其盐	7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
176		7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
177		7H-十二氟庚酸铵(HPFHpA-NH ₄)	376-34-1	--
178	PFHpS, 及其盐	全氟庚烷磺酸(PFHpS)	375-92-8	0.010
179		全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
180		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
181		全氟庚磺酸铵(PFHpS-NH ₄)	68259-07-4	--
182		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
183	PFHpA, 及其盐	全氟庚酸(PFHpA)	375-85-9	0.010
184		全氟庚酸钠(PFHpA-Na)	20109-59-5	--
185		全氟庚酸钾(PFHpA-K)	21049-36-5	--
186		全氟庚酸铵(PFHpA-NH ₄)	6130-43-4	--
187		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
188		全氟庚酸银(PFHpA-Ag)	424-05-5	--
189		全氟庚酸锂(PFHpA-Li)	60871-90-1	--
190	6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
191		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
192		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--
193		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH ₄)	59587-39-2	--
194		1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
195	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.100
196	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.100
197	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch of SGS-CSI Technical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 10 of 13

198	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
199		2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH ₄)	62037-80-3	--
200		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
201		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	--
202	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
203		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
204	--	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	0.010
205	--	N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-MeFOSAA)	2355-31-9	0.010
206	--	N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6	0.010
207	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
208		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--
209		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
210		全氟辛烷磺酸铵(PFPeS-NH ₄)	68259-09-6	--
211	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
212	--	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
213	--	全氟正十六酸(PFHxDA)	67905-19-5	0.010
214	--	全氟正十八酸(PFOxDA)	16517-11-6	0.010
215	--	1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)	2144-53-8	0.100
216	--	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010
217	--	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	0.010
218	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
219	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
220	--	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF3ONS)	756426-58-1	0.010
221	--	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF3OUdS)	763051-92-9	0.010
222	--	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010
223	--	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
224	--	全氟十五烷酸(PFPeDA)	141074-63-7	0.100
225	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.100
226	--	2-(N-乙基全氟辛烷磺酰基)丙烯酸乙酯(EtFOSAC)	423-82-5	0.100
227	--	全氟辛基三乙氧基硅烷(POTS)	51851-37-7	0.100
228	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.100
229	--	九氟丁烷磺酰胺	30334-69-1	0.100
230	--	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
231	--	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch/SGS 标准技术服务(广州)有限公司

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城珠环路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



检测报告
(PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 11 of 13

232	11H-PFUnDA, 及其盐	11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
233		11H-全氟十一烷酸铵(11H-PFUnDA-NH ₄)	5081-02-7	--



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch Technical Services Chemical Laboratory

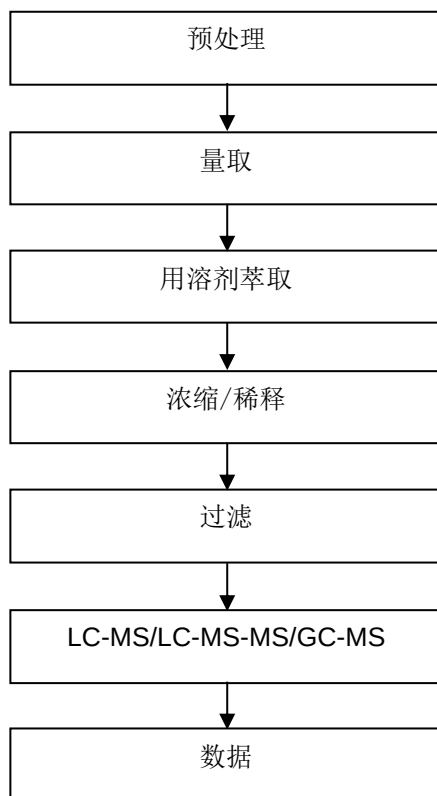
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

PFASs/ PFOS/PFOA 检测流程图



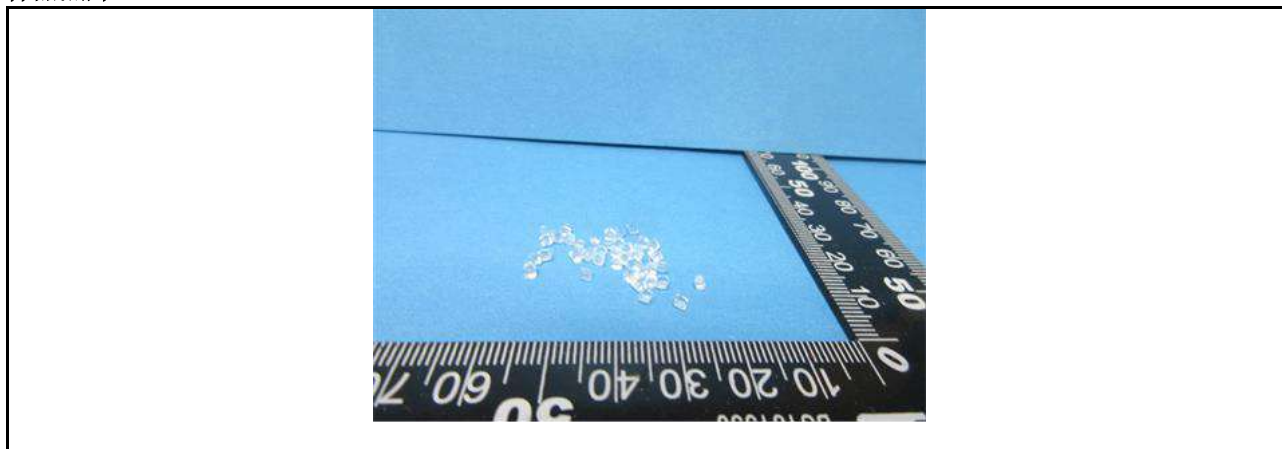
检测报告 (PFAS)

No.: CANEC24002895703

Date: 2024 年 03 月 01 日

Page 13 of 13

样品照片:



此照片仅限于随 SGS 正本报告使用

报告结束



SGS-TESTING SERVICES
Guangzhou Branch Technical Services Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)