

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 1 页, 共 21 页

客户名称: 深圳市永源微电子科技有限公司

客户地址: 深圳市宝安区福海和秀西路 44 号锐明工业园 C2 栋

样品名称: 半导体元器件

型号: SOT-23

客户参考信息: QFN2*2-6L、QFN3*3-8L、SOP-8L、SOT89-3L、ESOP-8L、TO-92-3L、TO94-4L、SOT223-3L、SOT23L、SOT23-3L、SOT23-5L、SOT23-6L、SOT323-3L、SOT363-6L、SOT523-3L、SOT723-3L

以上样品及信息由客户提供。

SGS 工作编号: SZP25-031683

样品接收时间: 2025 年 06 月 24 日

检测周期: 2025 年 06 月 24 日 ~ 2025 年 07 月 02 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:

545 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



CC10493E

SGS-CS Standards Technical Services Co., Ltd.
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: 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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 2 页, 共 21 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	A1	CAN25-0150597-0001.C001	"半导体元器件"

545 项全氟和多氟烷基化合物 (PFAS) 含量

检测方法:

优化的 EN 17681-1:2022 和 EN 17681-2:2022, 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:

- 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。
- 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。



SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch, Inspection & Testing Services

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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 3 页, 共 21 页

附录:

1. 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		全氟辛烷磺酸吡啶	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)铈	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	FOSAA, 及其盐	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	0.010
27		全氟辛烷磺酰氨基乙酸盐 (FOSAA(anion))	909405-47-6	--
28		全氟辛烷磺酰氨基乙酸钾 (FOSAA-K)	75260-69-4	--
29		全氟辛烷磺酰氨基乙酸钠 (FOSAA-Na)	115716-87-5	--
30	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
31		N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 (N-Me-FOSAA(anion))	909405-48-7	--



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

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 4 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
32		N-(十七氟辛基磺酰基)-N-甲基甘氨酸钾 (N-Me-FOSAA-K)	70281-93-5	--
33		N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6	0.010
34		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	--
35	N-EtFOSAA, 及其盐	N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-Et-FOSAA(anion))	909405-49-8	--
36		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-Et-FOSAA-NH ₄)	2991-52-8	--
37		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-Et-FOSAA-Na)	3871-50-9	--
38	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	0.010
39	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	0.010
40	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	0.010
41	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	0.010
42	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	0.010
43		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
44		全氟辛基磺酰胺钠盐 (1:1) (PFOSA-Na)	76752-78-8	--
45		全氟辛基磺酰胺钾盐 (1:1) (PFOSA-K)	76752-70-0	--
46		全氟辛基磺酰胺铵盐 (1:1) (PFOSA-NH ₄)	76752-72-2	--
47		全氟辛基磺酰胺三乙胺 (PFOSA-C ₆ H ₁₅ N)	76752-82-4	--
48	PFOA, 及其盐&衍生物	全氟辛酸(PFOA)	335-67-1	0.010
49		全氟辛酸钠(PFOA-Na)	335-95-5	--
50		全氟辛酸钾(PFOA-K)	2395-00-8	--
51		全氟辛酸银(PFOA-Ag)	335-93-3	--
52		全氟辛酰氟(PFOA-F)	335-66-0	--
53		全氟辛酸铵(APFO)	3825-26-1	--
54		全氟辛酸锂(PFOA-Li)	17125-58-5	--
55		全氟辛酸钴(PFOA-Co)	35965-01-6	--
56		全氟辛酸铯(PFOA-Cs)	17125-60-9	--
57		全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6	--
58		全氟辛酸-哌嗪(2:1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9	--
59		全氟辛酸盐	45285-51-6	--
60		全氟辛酸酐	33496-48-9	--
61		全氟辛酸四乙基胺	98241-25-9	--
62		全氟辛酸四甲基胺	32609-65-7	--
63		全氟辛酸四丙基胺	277749-00-5	--

SGS-CSTC 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科珠路198号 邮编: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 5 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
64		全氟辛酸钾水合物 (PFOA-K(H ₂ O) ₂)	98065-31-7	--
65		全氟辛酸乙胺 (PFOA-C ₂ H ₇ N)	1376936-03-6	--
66		全氟辛酸吡啶 (PFOA-C ₅ H ₅ N)	95658-47-2	--
67		全氟辛酸苯基哌嗪 (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7	--
68		全氟辛酸辛基三甲基铵 (PFOA-C ₁₁ H ₂₆ N)	927835-01-6	--
69	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
70		1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
71		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH ₄)	149724-40-3	--
72		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
73		1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7	--
74	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.200
75	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.200
76	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)*	27905-45-9	0.100
77	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)*	1996-88-9	0.100
78	--	全氟辛基碘烷(PFOI)	507-63-1	0.200
79	8:2 FTCA, 及其盐	2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5	0.010
80		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7	--
81	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
82	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)*	2043-53-0	0.100
83	--	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
84	8:2diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)	678-41-1	0.010
85		双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)	114519-85-6	--
86		双(2-羟乙基)铵双(全氟辛基)乙基磷酸氢	57677-97-1	--
87		双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH ₄)	93776-20-6	--
88		8:2 氟调聚物磷酸二酯离子	1411713-91-1	--
89	8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9	0.010
90		2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1	--
91		2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8	--
92	--	全氟辛基乙烯(PFDE)*	21652-58-4	0.100
93	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010
94	--	1H,1H,2H,2H-全氟癸基三氯硅烷*	78560-44-8	0.100
95	--	1H,1H,2H,2H-全氟癸基三甲氧基硅烷*	83048-65-1	
96	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	0.010
97	--	6:8 全氟次膦酸(6:8 PFPi)	610800-34-5	0.010
98		8:8 全氟次膦酸 (8:8 PFPi)	40143-79-1	0.010



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-CTC 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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 6 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
99	8:8 PFPi, 及其盐	8:8 全氟次膦酸钠盐 (8:8 PFPi-Na)	500776-69-2	--
100		8:8 全氟次膦酸铒(3+)盐 (8:8 PFPi-Er)	500776-70-5	--
101		8:8 全氟次膦酸镱(3+)盐 (8:8 PFPi-Yb)	500776-71-6	--
102	--	1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)*	37858-04-1	0.100
103	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
104		8:2 氟调聚物磷酸二铵盐	93857-44-4	--
105		8:2 氟调聚物磷酸钠盐	438237-75-3	--
106		双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0	--
107		单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0	--
108		单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0	--
109		单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6	--
110		单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8	--
111	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
112		全氟壬酸钠(PFNA-Na)	21049-39-8	--
113		全氟壬酸铵(PFNA-NH ₄)	4149-60-4	--
114		全氟壬酸钾(PFNA-K)	21049-38-7	--
115		全氟壬酸锂(PFNA-Li)	60871-92-3	--
116		全氟壬酸银(PFNA-Ag)	7358-16-9	--
117		全氟壬酸甲烷铵(PFNA-NH ₃ (CH ₃))	77032-23-6	--
118		全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH ₂ (C ₂ H ₅) ₂)	77032-27-0	--
119		全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH ₂ (CH ₃) ₂)	77032-24-7	--
120		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	--
121		全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	--
122		全氟壬酸-苯胺(1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	--
123		全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH ₃ (C ₆ H ₁₁))	328531-06-2	--
124		全氟壬酸盐	72007-68-2	--
125		全氟壬酸磺胺甲氧基哒嗪(PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	--
126		全氟壬酸酐(PFNAA)	228407-54-3	--
127	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	0.010
128		全氟癸酸钠(PFDA-Na)	3830-45-3	--
129		全氟癸酸铵(PFDA-NH ₄)	3108-42-7	--
130		全氟癸酸钾(PFDA-K)	51604-85-4	--
131		全氟癸酸银(PFDA-Ag)	5784-82-7	--
132		全氟癸酸锂(PFDA-Li)	84743-32-8	--
133		全氟癸酸盐	73829-36-4	--

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch: Guangzhou 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: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 7 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
134		全氟癸酸酐 (PFDA)	942199-24-8	--
135	PFUnDA, 及其盐	全氟十一烷酸(PFUnDA)	2058-94-8	0.010
136		全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
137		全氟十一烷酸铵(PFUnDA-NH ₄)	4234-23-5	--
138		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
139		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
140		全氟十一烷酸盐	196859-54-8	--
141	PFDoDA, 及其盐	全氟十二烷酸(PFDoDA)	307-55-1	0.010
142		全氟十二烷铵(PFDoDA-NH ₄)	3793-74-6	--
143		全氟十二烷酸盐	171978-95-3	--
144	PFTrDA, 及其盐	全氟十三烷酸(PFTrDA)	72629-94-8	0.010
145		全氟十三烷酸铵(PFTrDA-NH ₄)	4288-72-6	--
146		全氟十三烷酸钠(PFTrDA-Na)	60872-01-7	--
147		全氟十三烷酸盐	862374-87-6	--
148	PFTDA, 及其盐	全氟十四烷酸(PFTDA)	376-06-7	0.010
149		全氟十四烷酸盐	365971-87-5	--
150	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	0.010
151	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	0.010
152		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
153		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--
154		全氟癸基磺酸铵(PFDS-NH ₄)	67906-42-7	--
155		全氟癸基磺酸盐	126105-34-8	--
156		全氟癸烷磺酸酐 (PFDSA)	51667-62-0	--
157	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
158	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)*	17741-60-5	0.100
159	--	2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)*	2144-54-9	0.100
160	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100
161	10:2 FTS, 及其盐	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	0.010
162		1H,1H,2H,2H-全氟十二烷磺酸钠 (10:2 FTS-Na)	108026-35-3	--
163	--	全氟癸基乙基碘(10:2 FTI)*	2043-54-1	0.100
164	--	1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)*	30046-31-2	0.100
165	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
166		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
167		全氟壬烷磺酸铵(PFNS-NH ₄)	17202-41-4	--
168		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
169		全氟壬烷磺酸盐	474511-07-4	--

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科珠路198号 邮编: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 8 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
170	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	0.010
171		全氟十一烷磺酸盐	441296-91-9	--
172	PFDoDS, 及其盐	全氟十二烷磺酸(PFDoDS)	79780-39-5	0.010
173		全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1	--
174		全氟十二烷磺酸钾(PFDoDS-K)	85187-17-3	--
175		全氟十二烷磺酸盐	343629-43-6	--
176	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	0.010
177		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
178	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
179		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	--
180	--	1-碘全氟癸烷(PFDI)*	423-62-1	0.100
181	--	全氟碘代十二烷(PFDoDI)*	307-60-8	0.100
182	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	0.010
183	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	0.010
184	--	1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)*	37858-05-2	0.100
185	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	0.010
186		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
187		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
188		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
189		全氟己基磺酸铵(PFHxS-NH ₄)	68259-08-5	--
190		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
191		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	--
192		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	--
193		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC ₄ H ₉)	1187817-57-7	--
194		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 ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0	--
195		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 ₈ H ₁₀) ₂ C ₁₃ H ₁₂)	1310480-27-3	--
196		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 ₈ H ₁₀) ₂ C ₁₇ H ₁₂)	1310480-28-4	--
197		全氟己基磺酸与 β-环糊精络合物(PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0	--

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, China 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: 510663t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 9 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
198		全氟己基磺酸与 γ -环糊精络合物(PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8	--
199		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
200		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	--
201		全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C ₆ H ₅) ₂)	153443-35-7	--
202		N,N,N-三甲基-全氟己基磺酸甲铵盐(PFHxS-TMA)	189274-31-5	--
203		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	--
204		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	--
205		全氟己基磺酸镓(9CI)(PFHxS-Ga)	341035-71-0	--
206		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	--
207		全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
208		全氟己基磺酸铈(PFHxS-Nd)	41184-65-0	--
209		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
210		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	--
211		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	--
212		全氟己基磺酰氟(PFHxS-F)	423-50-7	--
213		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	--
214		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
215		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	--
216		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	--
217		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	--
218		全氟己基磺酸(4-甲基苯基)二苯基硫鎓盐(PFHxS-S(C ₆ H ₅) ₂ C ₇ H ₇)	910606-39-2	--
219		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	--
220		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
221		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	--

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: 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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 10 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
222		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
223		PFHxS-磺酸酯聚合物	911027-69-5	--
224		全氟己基磺酸盐	108427-53-8	--
225		全氟己基磺酸四丁基磷 (PFHxS-P(C ₄ H ₉) ₄)	2310194-12-6	--
226	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
227	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
228	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	0.010
229	--	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
230	--	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
231	--	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
232	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9	0.010
233	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
234		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
235		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
236	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
237		全氟己酸铵(APFHx)	21615-47-4	--
238		全氟己酸钠(PFHxA-Na)	2923-26-4	--
239		全氟己酸钾(PFHxA-K)	3109-94-2	--
240		全氟己酰氟(PFHxA-F)	355-38-4	--
241		全氟己酸银(PFHxA-Ag)	336-02-7	--
242		全氟己酸锂(PFHxA-Li)	90430-61-8	--
243		全氟己酸酐	308-13-4	--
244		全氟己酸哌嗪(2:1)	423-47-2	--
245		全氟己酸盐	92612-52-7	--
246		全氟己酰氯(PFHxA-Cl)	335-53-5	--
247		全氟己酸己胺(PFHxA-C ₆ H ₁₅ N)	565225-91-4	--
248		全氟己酸苯基哌嗪(PFHxA-C ₁₀ H ₁₄ N ₂)	985-60-4	--
249	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100
250	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.400
251	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.200
252	6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
253		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
254		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--

SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch, China 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: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 11 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
255		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH ₄)	59587-39-2	--
256		1H,1H,2H,2H-全氟辛烷磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
257		1H,1H,2H,2H-全氟辛烷磺酸盐(6:2FTS(anion))	425670-75-3	--
258	--	全氟辛基三乙氧基硅烷(6:2 FTSi(OC ₂ H ₅) ₃)	51851-37-7	0.500
259	--	1H,1H,2H,2H-全氟辛基三氯硅烷	78560-45-9	0.200
260	--	1H,1H,2H,2H-全氟辛基三甲氧基硅烷(6:2 FTSi(OCH ₃) ₃)	85857-16-5	
261	--	1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷(PFHx-I)	355-43-1	0.200
262	--	1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮	38550-34-4	0.200
263	--	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
264	--	3,3,4,4,5,5,6,7,8,8-三氟辛酯硫氰酸	26650-09-9	0.200
265	6:2 monoPAP, 及其盐	6:2 磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0	0.100
266		6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	--
267	--	2H,2H,3H,3H-全氟壬酸(6:3 FTCA)	27854-30-4	0.100
268	--	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
269	--	1H,1H,2H,2H-全氟辛基二甲氯基硅烷(6:2 FTSiMe ₂ Cl)	102488-47-1	0.200
270	--	1H,1H-三氟-1-碘庚烷(6:1 FTI)	212563-43-4	0.200
271	--	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
272	6:2 FTPA, 及其盐	全氟己基乙基膦酸(6:2 FTPA)	252237-40-4	0.100
273		全氟己基乙基膦酸钠(Cheminox FHP ₂ OH-Na(PFHEPA-Na))	1189052-95-6	--
274	--	十一氟正己烷-1-醇(5:1 FTOH)	423-46-1	0.200
275	--	1H,1H-全氟庚-1-醇(6:1 FTOH)	375-82-6	0.200
276	--	3-全氟己基丙醇(6:3 FTOH)	80806-68-4	0.200
277	--	3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)	914637-05-1	0.200
278	--	1-(全氟己基)辛烷 (F ₆ H ₈)	133331-77-8	0.200
279	--	1H,1H 三氟庚胺 (6:1 FTNH ₂)	423-49-4	0.200
280	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	0.010
281	6:6 PFPI, 及其盐	6:6 全氟次膦酸(6:6 PFPI)	40143-77-9	0.010
282		6:6 全氟次膦酸钠盐(6:6 PFPI-Na)	70609-44-8	--
283		6:6 全氟次膦酸铋(3+)盐(6:6 PFPI-Yb)	500776-72-7	--
284		6:6 全氟次膦酸铒(3+)盐(6:6 PFPI-Er)	500776-73-8	--
285	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
286		七氟丁酸铵(PFBA-NH ₄)	10495-86-0	--
287		七氟丁酸钠(PFBA-Na)	2218-54-4	--

SGS-CSI Standards Technical Service Co., Ltd.
Guangzhou Branch, SGS 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珠路198号 邮编: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 12 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
288	PFBS, 及其 盐&衍生物	七氟丁酸钾(PFBA-K)	2966-54-3	--
289		七氟丁酸银(PFBA-Ag)	3794-64-7	--
290		全氟丁酸锂(PFBA-Li)	4146-76-3	--
291		七氟丁酸哌嗪(1:1)	375-04-2	--
292		全氟丁酸盐	45048-62-2	--
293		全氟丁磺酸(PFBS)	375-73-5	0.010
294		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
295		全氟丁基磺酸水合物(PFBS-H ₂ O)	59933-66-3	--
296		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
297		全氟丁基磺酸三苯基铊盐(TPS-PFBS)	144317-44-2	--
298		全氟丁基磺酸二甲基(苯基)铊(PFBS-S(CH ₃) ₂ (C ₆ H ₅))	220133-51-7	--
299		全氟丁基磺酸四丁基磷(PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
300		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	--
301		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
302		全氟丁磺酸吗啉(PFBS-NC ₄ H ₉ O)	503155-89-3	--
303		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
304		全氟丁基磺酸铵(PFBS-NH ₄)	68259-10-9	--
305		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	--
306		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
307		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
308		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	--
309		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	--
310		全氟丁基磺酸四丁基铵((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	--
311		全氟丁基磺酸二苯碘((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	--
312		全氟丁基磺酸三(4-叔丁基苯基)铊	241806-75-7	--
313		全氟丁基磺酸(4-环己基苯基)(二苯基)铊	425670-64-0	--
314		全氟丁基磺酸 1-(1-甲基-1H-吡啶-3-基)硫醇-1-鎓	867373-18-0	--
315		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
316		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
317		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
318		全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
319		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	--



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-STS Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司
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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 13 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
320		全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8	--
321		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
322		全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)	56773-55-8	--
323		全氟丁基磺酸四甲基铵盐 (PFBS-N(CH ₃) ₄)	25628-17-5	--
324		全氟丁烷磺酐	36913-91-4	--
325		全氟丁基磺酸盐	45187-15-3	--
326		1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4	--
327		全氟丁基磺酸三乙基铵	182059-38-7	--
328		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	--
329		全氟丁基磺酸 1-十六烷基吡啶鎓	334529-62-3	--
330		全氟丁基磺酸 1-丁基吡啶鎓	334529-64-5	--
331		N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1	--
332		三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3	--
333		全氟戊酸(PFPeA)	2706-90-3	0.010
334	PFPeA, 及其盐	全氟戊酸钠(PFPeA-Na)	2706-89-0	--
335		全氟戊酸钾(PFPeA-K)	336-23-2	--
336		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
337		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
338		全氟戊酸铵(PFPeA-NH ₄)	68259-11-0	--
339		全氟戊酸盐	45167-47-3	--
340		全氟戊酸苄基硫脲 (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
341		全氟戊酸酐 (PFPeAA)	308-28-1	--
342	HPFHpA, 及其盐	7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
343		7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
344		7H-十二氟庚酸铵(HPFHpA-NH ₄)	376-34-1	--
345		7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2	--
346	PFHpS, 及其盐	全氟庚烷磺酸(PFHpS)	375-92-8	0.010
347		全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
348		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
349		全氟庚磺酸铵(PFHpS-NH ₄)	68259-07-4	--
350		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
351		全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9	--
352		全氟庚烷磺酸盐	146689-46-5	--
353		全氟庚烷磺酸三乙基铵	72033-40-0	--
354		全氟庚烷磺酸四乙基铵	439863-97-5	--

SGS-CSTC 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科珠路198号 邮编: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 14 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
355	PFHpA, 及其盐	全氟庚烷磺酸酐(PFHpSA)	140429-92-1	--
356		全氟庚酸(PFHpA)	375-85-9	0.010
357		全氟庚酸钠(PFHpA-Na)	20109-59-5	--
358		全氟庚酸钾(PFHpA-K)	21049-36-5	--
359		全氟庚酸铵(PFHpA-NH ₄)	6130-43-4	--
360		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
361		全氟庚酸银(PFHpA-Ag)	424-05-5	--
362		全氟庚酸锂(PFHpA-Li)	60871-90-1	--
363		全氟庚酸盐	120885-29-2	--
364		2,3,3,3-四氟-2-(七氟丙氧基)丙酸(HFPO-DA)	13252-13-6	0.010
365	HFPO-DA, 及其盐&衍生物	2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH ₄)	62037-80-3	--
366		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
367		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	--
368		2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4	--
369		2,3,3,3-四氟-2-(七氟丙氧基)-, (-)-丙酸	75579-40-7	--
370		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1	--
371		全氟(2-丙氧基丙酸酯)	122499-17-6	--
372		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	--
373		全氟-2-丙氧基丙酸三乙胺	165951-18-8	--
374		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	--
375		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	--
376	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
377		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
378		1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1	--
379	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
380		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--
381		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
382		全氟戊磺酸铵(PFPeS-NH ₄)	68259-09-6	--
383		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--
384		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--
385		全氟戊磺酸盐	175905-36-9	--
386		全氟戊磺酸三乙基铵	72033-42-2	--
387		全氟戊烷磺酸酐(PFPeSA)	161877-72-1	--

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: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 15 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
388	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
389	5:3 FTCA, 及其盐	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
390		2H,2H,3H,3H 全氟辛酸盐(5:3 FTCA(anion))	1799325-94-2	--
391	PFHxDA, 及其盐	全氟正十六酸(PFHxDA)	67905-19-5	0.010
392		全氟正十六酸盐 (PFHxDA(anion))	1214264-30-8	--
393	PFODA, 及其盐	全氟正十八酸(PFODA)	16517-11-6	0.010
394		全氟正十八酸盐(PFODA(anion))	798556-82-8	--
395	--	1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)	2144-53-8	0.200
396	ADONA, 及其盐	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010
397		4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH ₄)	958445-44-8	--
398		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
399	--	全氟-3-甲氧基丙酸(PFMFA)	377-73-1	0.010
400	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
401	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
402	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
403		9-氯十六氟-3-氧代壬烷-1-磺酸钾(9Cl-PF ₃ ONS-K)	73606-19-6	--
404		9-氯十六氟-3-氧代壬烷-1-磺酸铵(9Cl-PF ₃ ONS-NH ₄)	1383434-28-3	--
405	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
406		11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF ₃ OUdS-K)	83329-89-9	--
407	PFEESA, 及其盐	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010
408		全氟(2-乙氧基乙烷)磺酸钾(PFEESA-K)	117205-07-9	--
409		全氟(2-乙氧基乙烷)磺酸钠(PFEESA-Na)	113507-87-2	--
410	3:3 FTCA, 及其盐	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
411		4,4,5,6,6,6-七氟己酸盐(3:3 FTCA(anion))	1169706-83-5	--
412	PFPeDA, 及其盐	全氟十五烷酸(PFPeDA)	141074-63-7	0.100
413		全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5	--
414	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.200
415	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯(EtFOSAC)	423-82-5	0.200
416	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.100
417	--	九氟丁烷磺酰胺(PFBSA)	30334-69-1	0.100
418	--	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
419	11H-PFUnDA, 及其盐	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100
420		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
421		11H-全氟十一烷酸铵(11H-PFUnDA-NH ₄)	5081-02-7	--
422		11H-全氟十一烷酸盐(11H-PFUnDA(anion))	69681-37-4	--



SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch, SGS Technical Services Co., Ltd. Guangzhou 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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 16 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
423	PFPrA, 及其盐	五氟丙酸(PFPrA)	422-64-0	0.100
424		五氟丙酸钠(PFPrA-Na)	378-77-8	--
425		五氟丙酸银(PFPrA-Ag)	509-09-1	--
426		五氟丙酸钾(PFPrA-K)	378-76-7	--
427		五氟丙酸铵(PFPrA-NH ₄)	2730-58-7	--
428	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
429		全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4	--
430		全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2	--
431		全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH ₄)	13043-05-5	--
432		全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1	--
433	PFEtS, 及其盐	全氟乙烷磺酸(PFEtS)	354-88-1	0.010
434		全氟乙烷磺酸盐 (PFEtS (anion))	108410-37-3	--
435		全氟乙烷磺酸钾 (PFEtS-K)	2837-92-5	--
436	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
437		双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0	--
438		双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1	--
439	TFSI, 及其盐	双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3	0.010
440		1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4	--
441		三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5	--
442		双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6	--
443		1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6	--
444	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
445		单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5	-
446	-	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
447	TFMS, 及其盐	三氟甲磺酸(TFMS)	1493-13-6	0.010
448		三氟甲磺酸钠盐(TFMS-Na)	2926-30-9	0.010
449		三氟甲磺酸银盐(TFMS-Ag)	2923-28-6	--
450		三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2	--
451		三氟甲磺酸钪盐(TFMS-Sc)	144026-79-9	--
452		三氟甲磺酸酐	358-23-6	--
453		三氟甲磺酸锂盐(TFMS-Li)	33454-82-9	--
454		三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2	--
455		三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7	--
456		三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2	--
457		三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2	--

SGS-CSTC 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: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 17 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
458		三氟甲磺酸钾盐(TFMS-K)	2926-27-4	--
459		三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3	--
460		三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8	--
461		三氟甲磺酸钇盐(TFMS-Y)	52093-30-8	--
462		三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7	--
463		三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5	--
464		三氟甲磺酸四丁基铵	35895-70-6	--
465		三氟甲磺酸甲基三辛基铵	121107-18-4	--
466		咪唑三氟甲磺酸酯	29727-06-8	--
467		三氟乙酰基三氟甲磺酸酯	68602-57-3	--
468		三氟甲磺酸镧(III) (TFMS-La)	52093-26-2	--
469		三氟甲磺酸铟(III) (TFMS-In)	128008-30-0	--
470		三氟甲磺酸钐(III)(TFMS-Sm)	52093-28-4	--
471		三氟甲磺酸镱(III) (TFMS-Yb)	54761-04-5	--
472		三氟甲磺酸铥(III) (TFMS-Tm)	141478-68-4	--
473		三氟甲磺酸四乙基铵	35895-69-3	--
474		三氟甲磺酸 1-氟-3,5-二氯吡啶	107264-06-2	--
475		三氟甲磺酸三乙胺盐	646-58-2	--
476		三苯基三氟甲磺酸酐	72450-51-2	--
477		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	--
478		三氟甲磺酸二苯铵	164411-06-7	--
479		1-(3-氨基氮杂环丁烷-1-基)丙-2-烯-1-酮, 三氟甲磺酸	2060047-56-3	--
480		三氟甲磺酸胍	153756-25-3	--
481		三氟甲磺酸-1-乙基-1H-咪唑 (1/1)	501693-46-5	--
482		钆(3+) (OC-6-22)-与三氟甲磺酸 (1:3)的盐	74468-24-9	--
483		O-新戊酰基羟胺三氟甲磺酸酯	1293990-73-4	--
484		三氟甲磺酰氯	421-83-0	--
485		(2-吡啶甲基)磺酰氯三氟甲磺酸酯	882564-09-2	--
486		三氟甲磺酰溴	15458-53-4	--
487		三氟甲磺酸汞(II)(TFMS-Hg)	49540-00-3	--
488		三氟甲磺酸镝(III)(TFMS-Dy)	139177-62-1	--
489		三氟甲磺酸锰(II)(TFMS-Mn)	55120-76-8	--
490		三氟甲磺酸五胺钕(III)	83781-30-0	--
491		三氟甲磺酸镱(III)(TFMS-Lu)	126857-69-0	--
492		三氟甲磺酸铽(III)(TFMS-Tb)	148980-31-8	--
493		三氟甲磺酸钕(III)(TFMS-Nd)	34622-08-7	--



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 herein 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-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司
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科珠路198号 邮编: 510663

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

检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 18 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
494		三氟甲磺酸铵(TFMS-NH ₄)	38542-94-8	--
495		三氟甲磺酸钬(III)(TFMS-Ho)	139177-63-2	--
496		三氟甲磺酸酯	37181-39-8	--
497		三氟甲磺酸镨(III)(TFMS-Pr)	52093-27-3	--
498		三氟甲磺酸铋(III)(TFMS-Bi)	88189-03-1	--
499		三氟甲磺酸铕(III)(TFMS-Eu)	52093-25-1	--
500		三氟甲磺酸铒(III)(TFMS-Er)	139177-64-3	--
501		三氟甲磺酸镓(III)(TFMS-Ga)	74974-60-0	--
502		N,N,N-三乙基-2,2,2-三氟乙烷-1-三氟甲磺酸铵	380230-73-9	--
503		三氟甲磺酸钙(II)(TFMS-Ca)	55120-75-7	--
504		三氟甲磺酸铊(I)(TFMS-Tl)	73491-36-8	--
505		三氟甲磺酸铪(IV)(TFMS-Hf)	161337-67-3	--
506	PFPrS, 及其盐	全氟丙烷磺酸(PFPrS)	423-41-6	0.010
507		全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9	--
508	-	1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	0.200
509	-	1-碘-1H, 1H, 2H, 2H-全氟己烷(4:2 FTI)	2043-55-2	0.200
510	PFHpSi, 及其盐	全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8	0.010
511		全氟庚烷-1-亚磺酸钠盐 (PFHpSi-Na)	68555-66-8	--
512	PFOPA, 及其盐	全氟辛基磷酸 (PFOPA)	40143-78-0	0.010
513		全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0	--
514	-	1H, 1H-全氟辛胺(7:1 FTNH ₂)	307-29-9	0.200
515	-	全氟庚酰胺(PFHpA-NH ₂)	2358-22-7	0.100
516	-	全氟丁酰胺(PFBA-NH ₂)	662-50-0	0.200
517	-	1H, 1H, 2H, 2H-九氟己酯(4:2 FTA)	52591-27-2	0.200
518	-	N-甲基-九氟丁磺酰胺(MeFBSA)	68298-12-4	0.010
519	-	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
520	TFA, 及其盐	三氟乙酸(TFA)	76-05-1	1.000
521		三氟乙酸钠(TFA-Na)	2923-18-4	--
522		三氟乙酸铊(TFA-Tl)	23586-53-0	--
523		三氟乙酸锂(TFA-Li)	2923-17-3	--
524		三氟乙酸银(TFA-Ag)	2966-50-9	--
525		三氟乙酸铯(TFA-Cs)	21907-50-6	--
526		三氟乙酸钾(TFA-K)	2923-16-2	--
527		三氟乙酸铵(TFA-NH ₄)	3336-58-1	--
528		三氟乙酸汞(TFA-Hg)	13257-51-7	--
529		三氟乙酸钯(TFA-Pd)	42196-31-6	--



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)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 19 页, 共 21 页

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
530		三氟乙酸盐(TFA anion)	14477-72-6	--
531		三氟乙酸二甲基[(三氟乙酰基)氧基]铈	57738-66-6	--
532		三氟乙酸铝(III)(TFA-Al)	36554-89-9	--
533		三氟乙酸钡(II)(TFA-Ba)	60884-92-6	--
534		三氟乙酸铒(III)(TFA-Er)	70236-99-6	--
535		三氟乙酸铟(III)(TFA-In)	36554-90-2	--
536		三氟乙酸镧(III)(TFA-La)	70236-92-9	--
537		三氟乙酸镍(II)(TFA-Ni)	16083-14-0	--
538		三氟乙酸铅(II)(TFA-Pb)	4146-73-0	--
539		三氟乙酸铈(II)(TFA-Rh)	72654-51-4	--
540		三氟乙酸铥(III)(TFA-Tm)	70237-00-2	--
541		三氟乙酸镱(III)(TFA-Yb)	87863-62-5	--
542		三氟乙酸锌(II)(TFA-Zn)	21907-47-1	--
543		三氟乙酸钌(II)(TFA-Ru)	61612-84-8	--
544		三氟乙酸镁(II)(TFA-Mg)	123333-72-2	--
545		三氟乙酸铜(II)(TFA-Cu)	123333-88-0	--

2. 针对纺织品和皮革样品, *物质的 MDL=0.200mg/kg。

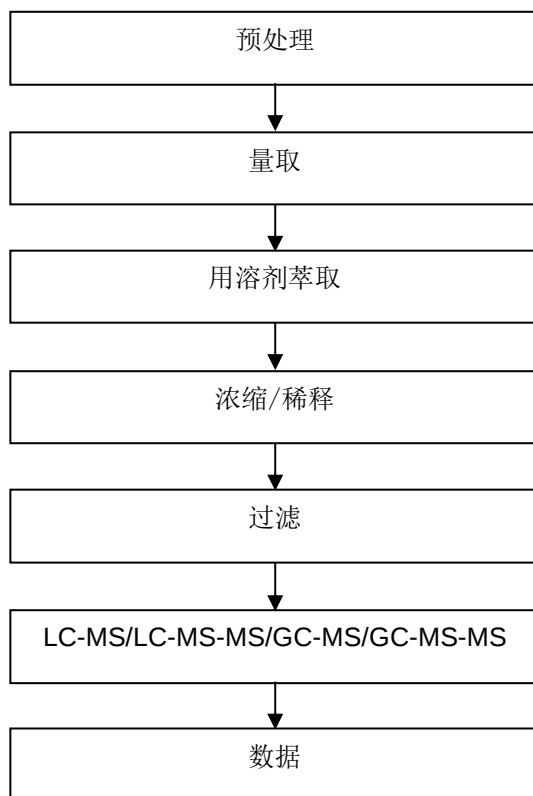
SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch, Inspection & Testing Services

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: 510663t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com

PFASs/ PFOS/PFOA 检测流程图



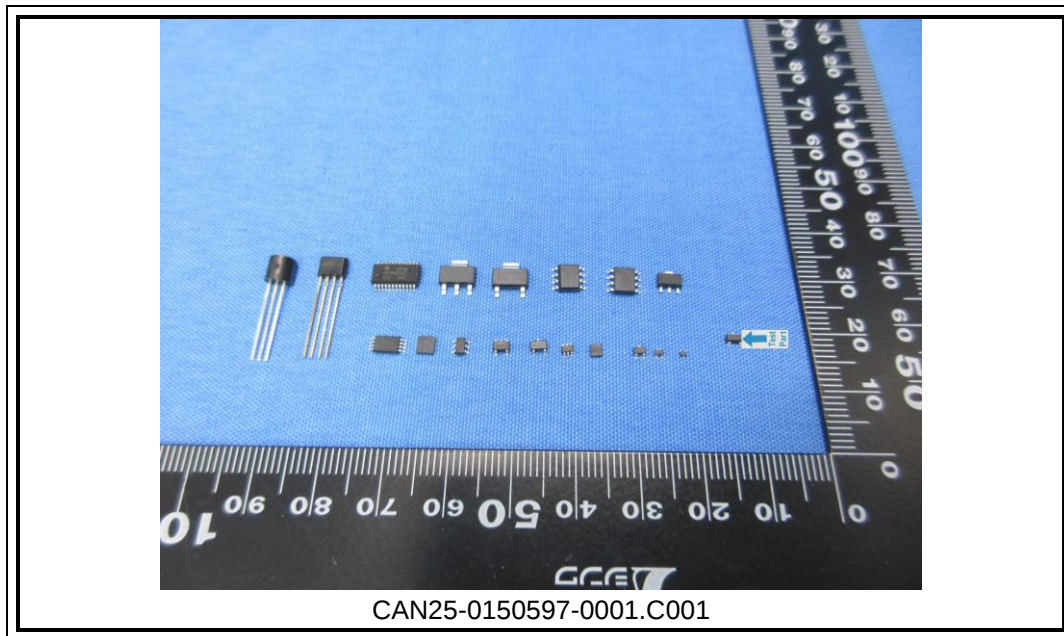
检测报告
(PFAS)

编号: CANEC25015059704

日期: 2025 年 07 月 02 日

第 21 页, 共 21 页

样品照片:



此照片仅限于随 SGS 正本报告使用

报告结束

SGS-CST Standards Technical Service Co., Ltd.
Guangzhou Branch

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: 510663t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)