

检测报告  
(PFAS)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 1 of 18

客户名称: 建滔积层板控股有限公司  
客户地址: 香港新界沙田安耀街三号汇达大厦二十三楼

样品名称: KB-6167F  
型号: KB-6167F  
客户参考信息: KB-6168LE  
以上样品及信息由客户提供。

SGS 工作编号: GZP24-024587  
样品接收时间: 2024 年 08 月 07 日  
检测周期: 2024 年 08 月 07 日 ~ 2024 年 08 月 20 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:

430 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

陈江梨

Allie Chen 陈江梨  
批准签署人

scan to see the report



C30DCF9A



SGS-CSI Standards Technical Services Co., Ltd.  
Guangzhou Branch / 通标标准技术服务有限公司广州分公司

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](mailto: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.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 2 of 18

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   | CAN24-0174032-0001.C001 | 双面覆铜板 |

**430 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 进行分析。

检测结果: (PFAS 清单中的物质)

| 物质名称          | CAS No. | A1<br>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-CTC 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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 3 of 18

## 附录:

## 1. PFAS 及其盐类和衍生物清单

| No. | 组名            | 物质名称                                                                                                             | CAS No.      | MDL (mg/kg) |
|-----|---------------|------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| 1   | PFOS, 及其盐&衍生物 | 全氟辛烷磺酸(PFOS)                                                                                                     | 1763-23-1    | 0.010       |
| 2   |               | 全氟辛基磺酸钾(PFOS-K)                                                                                                  | 2795-39-3    | --          |
| 3   |               | 全氟辛基磺酸锂(PFOS-Li)                                                                                                 | 29457-72-5   | --          |
| 4   |               | 全氟辛基磺酸钠(PFOS-Na)                                                                                                 | 4021-47-0    | --          |
| 5   |               | 全氟辛基磺酸铵(PFOS-NH <sub>4</sub> )                                                                                   | 29081-56-9   | --          |
| 6   |               | 全氟辛基磺酸二乙醇铵(PFOS-NH <sub>2</sub> (C <sub>2</sub> H <sub>4</sub> OH) <sub>2</sub> )                                | 70225-14-8   | --          |
| 7   |               | 全氟辛基磺酸四乙基铵(PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )                                                 | 56773-42-3   | --          |
| 8   |               | 全氟辛基磺酸二癸二甲基铵(PFOS-N(C <sub>10</sub> H <sub>21</sub> ) <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )             | 251099-16-8  | --          |
| 9   |               | 全氟辛基磺酸四丁基铵(PFOS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )                                                 | 111873-33-7  | --          |
| 10  |               | 全氟辛基磺酰氟(PFOS-F)                                                                                                  | 307-35-7     | --          |
| 11  |               | 双[十七氟辛烷磺酸]镁(PFOS-Mg)                                                                                             | 91036-71-4   | --          |
| 12  |               | 全氟辛烷磺酸哌啶                                                                                                         | 71463-74-6   | --          |
| 13  |               | 全氟辛烷磺酸盐                                                                                                          | 45298-90-6   | --          |
| 14  |               | 全氟辛烷磺酸三乙基铵(PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )                                                 | 54439-46-2   | --          |
| 15  |               | 全氟辛烷磺酸四甲基铵(PFOS-N(CH <sub>3</sub> ) <sub>4</sub> )                                                               | 56773-44-5   | --          |
| 16  |               | N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-N(C <sub>3</sub> H <sub>7</sub> ) <sub>3</sub> (C <sub>5</sub> H <sub>11</sub> )) | 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 <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> (CH <sub>3</sub> ))            | 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)硫                                                                                       | 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 <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )                                               | 2185049-59-4 | --          |
| 23  |               | 全氟辛基磺酸二乙胺 (PFOS-C <sub>4</sub> H <sub>11</sub> 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 <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> )                        | 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-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)                                                                               | 2355-31-9    | 0.010       |

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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 4 of 18

| No. | 组名             | 物质名称                                                     | CAS No.     | MDL (mg/kg) |
|-----|----------------|----------------------------------------------------------|-------------|-------------|
| 31  | N-MeFOSAA, 及其盐 | N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 (N-Me-FOSAA(anion))                | 909405-48-7 | --          |
| 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-EtFOSAA, 及其盐 | N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)                        | 2991-50-6   | 0.010       |
| 34  |                | N-乙基-N-[(十七烷氟辛基)磺酰基]-甘氨酸钾盐 (N-EtFOSAA-K)                 | 2991-51-7   | --          |
| 35  |                | N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-EtFOSAA(anion))               | 909405-49-8 | --          |
| 36  |                | N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-EtFOSAA-NH <sub>4</sub> )     | 2991-52-8   | --          |
| 37  |                | N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-EtFOSAA-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 <sub>4</sub> )                 | 76752-72-2  | --          |
| 47  |                | 全氟辛基磺酰胺三乙胺 (PFOSA-C <sub>6</sub> H <sub>15</sub> 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 <sub>4</sub> H <sub>10</sub> 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  | --          |

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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 5 of 18

| No. | 组名             | 物质名称                                                                             | CAS No.      | MDL<br>(mg/kg) |
|-----|----------------|----------------------------------------------------------------------------------|--------------|----------------|
| 62  |                | 全氟辛酸四甲基胺                                                                         | 32609-65-7   | --             |
| 63  |                | 全氟辛酸四丙基胺                                                                         | 277749-00-5  | --             |
| 64  |                | 全氟辛酸钾水合物 (PFOA-K(H <sub>2</sub> O) <sub>2</sub> )                                | 98065-31-7   | --             |
| 65  |                | 全氟辛酸乙胺 (PFOA-C <sub>2</sub> H <sub>7</sub> N)                                    | 1376936-03-6 | --             |
| 66  |                | 全氟辛酸吡啶 (PFOA-C <sub>5</sub> H <sub>5</sub> N)                                    | 95658-47-2   | --             |
| 67  |                | 全氟辛酸苯基吡啶 (PFOA-C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> )                  | 1514-68-7    | --             |
| 68  |                | 全氟辛酸辛基三甲基铵 (PFOA-C <sub>11</sub> H <sub>26</sub> N)                              | 927835-01-6  | --             |
| 69  |                | 1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)                                                      | 39108-34-4   | 0.010          |
| 70  | 8:2 FTS, 及其盐   | 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 <sub>4</sub> )                                     | 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 <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )       | 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 <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )* | 101947-16-4  | 0.100          |
| 84  | 8:2 diPAP, 及其盐 | 双[2-(全氟辛基)]乙基磷酸酯(8:2 diPAP)                                                      | 678-41-1     | 0.010          |
| 85  |                | 双[2-(全氟辛基)]乙基磷酸酯钠(8:2 diPAP-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 <sub>4</sub> )                                   | 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          |



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](mailto:CN.Doccheck@sgs.com)

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

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.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 6 of 18

| No. | 组名               | 物质名称                                                                                   | CAS No.     | MDL (mg/kg) |
|-----|------------------|----------------------------------------------------------------------------------------|-------------|-------------|
| 97  | --               | 6:8 全氟次膦酸(6:8 PFPI)                                                                    | 610800-34-5 | 0.010       |
| 98  | 8:8 PFPI, 及其盐    | 8:8 全氟次膦酸 (8:8 PFPI)                                                                   | 40143-79-1  | 0.010       |
| 99  |                  | 8:8 全氟次膦酸钠盐 (8:8 PFPI-Na)                                                              | 500776-69-2 | --          |
| 100 |                  | 8:8 全氟次膦酸铟(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 氟调聚物磷酸单酯钠盐 (8:2 monoPAP-Na)                                                        | 92678-93-8  | --          |
| 105 | PFNA, 及其盐        | 全氟壬酸(PFNA)                                                                             | 375-95-1    | 0.010       |
| 106 |                  | 全氟壬酸钠(PFNA-Na)                                                                         | 21049-39-8  | --          |
| 107 |                  | 全氟壬酸铵(PFNA-NH <sub>4</sub> )                                                           | 4149-60-4   | --          |
| 108 |                  | 全氟壬酸钾(PFNA-K)                                                                          | 21049-38-7  | --          |
| 109 |                  | 全氟壬酸锂(PFNA-Li)                                                                         | 60871-92-3  | --          |
| 110 |                  | 全氟壬酸银(PFNA-Ag)                                                                         | 7358-16-9   | --          |
| 111 |                  | 全氟壬酸甲铵(PFNA-NH <sub>3</sub> (CH <sub>3</sub> ))                                        | 77032-23-6  | --          |
| 112 |                  | 全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> ) | 77032-27-0  | --          |
| 113 |                  | 全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )               | 77032-24-7  | --          |
| 114 |                  | 全氟壬酸-N, N-二乙基乙酰胺(1:1) (9CI) (PFNA-NH(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )    | 327176-80-7 | --          |
| 115 |                  | 全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH <sub>2</sub> (C <sub>5</sub> H <sub>10</sub> ))            | 95682-66-9  | --          |
| 116 |                  | 全氟壬酸-苯胺(1:1) (PFNA-NH <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> ))                   | 95682-67-0  | --          |
| 117 |                  | 全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH <sub>3</sub> (C <sub>6</sub> H <sub>11</sub> ))          | 328531-06-2 | --          |
| 118 |                  | 全氟壬酸盐                                                                                  | 72007-68-2  | --          |
| 119 |                  | 全氟壬酸磺胺甲氧基哒嗪(PFNA-C <sub>11</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> S)      | 298703-33-0 | --          |
| 120 |                  | 全氟壬酸酐(PFNAA)                                                                           | 228407-54-3 | --          |
| 121 | PFDA, 及其盐        | 全氟癸酸(PFDA)                                                                             | 335-76-2    | 0.010       |
| 122 |                  | 全氟癸酸钠(PFDA-Na)                                                                         | 3830-45-3   | --          |
| 123 |                  | 全氟癸酸铵(PFDA-NH <sub>4</sub> )                                                           | 3108-42-7   | --          |
| 124 |                  | 全氟癸酸钾(PFDA-K)                                                                          | 51604-85-4  | --          |
| 125 |                  | 全氟癸酸银(PFDA-Ag)                                                                         | 5784-82-7   | --          |
| 126 |                  | 全氟癸酸锂(PFDA-Li)                                                                         | 84743-32-8  | --          |
| 127 |                  | 全氟癸酸盐                                                                                  | 73829-36-4  | --          |
| 128 |                  | 全氟癸酸酐 (PFDA)                                                                           | 942199-24-8 | --          |
| 129 | PFUnDA, 及其盐      | 全氟十一烷酸(PFUnDA)                                                                         | 2058-94-8   | 0.010       |
| 130 |                  | 全氟十一烷酸钠(PFUnDA-Na)                                                                     | 60871-96-7  | --          |
| 131 |                  | 全氟十一烷酸铵(PFUnDA-NH <sub>4</sub> )                                                       | 4234-23-5   | --          |

SGS-CT 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](mailto: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.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 7 of 18

| No. | 组名            | 物质名称                               | CAS No.      | MDL (mg/kg) |
|-----|---------------|------------------------------------|--------------|-------------|
| 132 |               | 全氟十一烷酸钾(PFUnDA-K)                  | 30377-53-8   | --          |
| 133 |               | 全氟十一烷酸钙(PFUnDA-Ca)                 | 97163-17-2   | --          |
| 134 |               | 全氟十一烷酸盐                            | 196859-54-8  | --          |
| 135 | PFDoDA, 及其盐   | 全氟十二烷酸(PFDoDA)                     | 307-55-1     | 0.010       |
| 136 |               | 全氟十二烷铵(PFDoDA-NH <sub>4</sub> )    | 3793-74-6    | --          |
| 137 |               | 全氟十二烷酸钠(PFDoDA-Na)                 | 60872-01-7   | --          |
| 138 |               | 全氟十二烷酸盐                            | 171978-95-3  | --          |
| 139 | PFTrDA, 及其盐   | 全氟十三烷酸(PFTrDA)                     | 72629-94-8   | 0.010       |
| 140 |               | 全氟十三烷酸铵(PFTrDA-NH <sub>4</sub> )   | 4288-72-6    | --          |
| 141 |               | 全氟十三烷酸盐                            | 862374-87-6  | --          |
| 142 | PFTDA, 及其盐    | 全氟十四烷酸(PFTDA)                      | 376-06-7     | 0.010       |
| 143 |               | 全氟十四烷酸盐                            | 365971-87-5  | --          |
| 144 | --            | 全氟-3,7-二甲基辛酸(PF-3,7-DMOA)          | 172155-07-6  | 0.010       |
| 145 | PFDS, 及其盐     | 全氟癸烷磺酸(PFDS)                       | 335-77-3     | 0.010       |
| 146 |               | 全氟癸烷磺酸钠(PFDS-Na)                   | 2806-15-7    | --          |
| 147 |               | 全氟癸烷磺酸钾(PFDS-K)                    | 2806-16-8    | --          |
| 148 |               | 全氟癸基磺酸铵(PFDS-NH <sub>4</sub> )     | 67906-42-7   | --          |
| 149 |               | 全氟癸基磺酸盐                            | 126105-34-8  | --          |
| 150 |               | 全氟癸烷磺酸酐 (PFDSA)                    | 51667-62-0   | --          |
| 151 | --            | 1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)   | 865-86-1     | 0.100       |
| 152 | --            | 1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)*  | 17741-60-5   | 0.100       |
| 153 | --            | 2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)*        | 2144-54-9    | 0.100       |
| 154 | --            | 1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)      | 39239-77-5   | 0.100       |
| 155 | 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       |
| 156 |               | 1H,1H,2H,2H-全氟十二烷磺酸钠 (10:2 FTS-Na) | 108026-35-3  | --          |
| 157 | --            | 全氟癸基乙基碘(10:2 FTI)*                 | 2043-54-1    | 0.100       |
| 158 | --            | 1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)*     | 30046-31-2   | 0.100       |
| 159 | PFNS, 及其盐     | 全氟壬烷磺酸(PFNS)                       | 68259-12-1   | 0.010       |
| 160 |               | 全氟壬烷磺酸钠(PFNS-Na)                   | 98789-57-2   | --          |
| 161 |               | 全氟壬烷磺酸铵(PFNS-NH <sub>4</sub> )     | 17202-41-4   | --          |
| 162 |               | 全氟壬烷磺酸钾(PFNS-K)                    | 29359-39-5   | --          |
| 163 |               | 全氟壬烷磺酸盐                            | 474511-07-4  | --          |
| 164 | PFUnDS, 及其盐   | 全氟十一烷磺酸(PFUnDS)                    | 749786-16-1  | 0.010       |
| 165 |               | 全氟十一烷磺酸盐                           | 441296-91-9  | --          |
| 166 | PFDoDS, 及其盐   | 全氟十二烷磺酸(PFDoDS)                    | 79780-39-5   | 0.010       |
| 167 |               | 全氟十二烷磺酸钠(PFDoDS-Na)                | 1260224-54-1 | --          |

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](mailto: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.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 8 of 18

| No. | 组名              | 物质名称                                                                                                                                                              | CAS No.      | MDL<br>(mg/kg) |
|-----|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 168 |                 | 全氟十二烷磺酸钾(PFDoDS-K)                                                                                                                                                | 85187-17-3   | --             |
| 169 |                 | 全氟十二烷磺酸盐                                                                                                                                                          | 343629-43-6  | --             |
| 170 | PFTrDS, 及其盐     | 全氟十三烷磺酸(PFTrDS)                                                                                                                                                   | 791563-89-8  | 0.010          |
| 171 |                 | 全氟十三烷磺酸钠(PFTrDS-Na)                                                                                                                                               | 174675-49-1  | --             |
| 172 | 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          |
| 173 |                 | 2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP-C <sub>4</sub> H <sub>11</sub> O <sub>2</sub> )                                                                            | 57677-98-2   | --             |
| 174 | --              | 1-碘全氟癸烷(PFDI)*                                                                                                                                                    | 423-62-1     | 0.100          |
| 175 | --              | 全氟碘代十二烷(PFDoDI)*                                                                                                                                                  | 307-60-8     | 0.100          |
| 176 | --              | 2H-全氟-2-十二烯酸(10:2 FTUCA)                                                                                                                                          | 70887-94-4   | 0.010          |
| 177 | --              | 2-全氟癸基乙酸(10:2 FTCA)                                                                                                                                               | 53826-13-4   | 0.010          |
| 178 | --              | 1H,1H,2H,2H-全氟癸基乙酸酯(10:2 FTOAc)*                                                                                                                                  | 37858-05-2   | 0.100          |
| 179 | PFHxS, 及其盐&衍生物  | 全氟己基磺酸(PFHxS)                                                                                                                                                     | 355-46-4     | 0.010          |
| 180 |                 | 全氟己基磺酸钠(PFHxS-Na)                                                                                                                                                 | 82382-12-5   | --             |
| 181 |                 | 全氟己基磺酸钾(PFHxS-K)                                                                                                                                                  | 3871-99-6    | --             |
| 182 |                 | 全氟己基磺酸锂(1:1)(PFHxS-Li)                                                                                                                                            | 55120-77-9   | --             |
| 183 |                 | 全氟己基磺酸铵(PFHxS-NH <sub>4</sub> )                                                                                                                                   | 68259-08-5   | --             |
| 184 |                 | 全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)                                                                                                                                   | 1000597-52-3 | --             |
| 185 |                 | N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )                                                                                     | 108427-54-9  | --             |
| 186 |                 | N,N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )                                                                                         | 108427-55-0  | --             |
| 187 |                 | 全氟己基磺酸与四氢吡咯络合物(PFHxS-NC <sub>4</sub> H <sub>9</sub> )                                                                                                             | 1187817-57-7 | --             |
| 188 |                 | 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 <sub>10</sub> H <sub>14</sub> ) <sub>3</sub> C <sub>5</sub> H <sub>4</sub> )   | 1310480-24-0 | --             |
| 189 |                 | 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 <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>13</sub> H <sub>12</sub> ) | 1310480-27-3 | --             |
| 190 |                 | 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 <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>17</sub> H <sub>12</sub> ) | 1310480-28-4 | --             |
| 191 |                 | 全氟己基磺酸与β-环糊精络合物(PFHxS-C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> )                                                                                           | 1329995-45-0 | --             |
| 192 |                 | 全氟己基磺酸与γ-环糊精络合物(PFHxS-C <sub>48</sub> H <sub>80</sub> O <sub>40</sub> )                                                                                           | 1329995-69-8 | --             |
| 193 |                 | 全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)                                                                                                                                           | 144116-10-9  | --             |

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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 9 of 18

| No. | 组名 | 物质名称                                                                                                                                             | CAS No.      | MDL (mg/kg) |
|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| 194 |    | 全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[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 <sub>44</sub> H <sub>37</sub> N <sub>2</sub> O <sub>2</sub> ) | 1462414-59-0 | --          |
| 195 |    | 全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> )                                                                              | 153443-35-7  | --          |
| 196 |    | N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)                                                                                                                  | 189274-31-5  | --          |
| 197 |    | 全氟己基磺酸与 2-甲基-2-丙胺络合物 (1:1)(PFHxS-NH <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub> )                                                               | 202189-84-2  | --          |
| 198 |    | 全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐 (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )                | 213740-81-9  | --          |
| 199 |    | 全氟己基磺酸镓(9CI)(PFHxS-Ga)                                                                                                                           | 341035-71-0  | --          |
| 200 |    | 全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐 (1:1)(PFHxS-S(C <sub>7</sub> H <sub>7</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )                                  | 341548-85-4  | --          |
| 201 |    | 全氟己基磺酸钪(PFHxS-Sc)                                                                                                                                | 350836-93-0  | --          |
| 202 |    | 全氟己基磺酸钕(PFHxS-Nd)                                                                                                                                | 41184-65-0   | --          |
| 203 |    | 全氟己基磺酸钇(PFHxS-Y)                                                                                                                                 | 41242-12-0   | --          |
| 204 |    | 全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐 (PFHxS-S <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> ) <sub>4</sub> (C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> ) | 421555-73-9  | --          |
| 205 |    | 全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐 (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>5</sub> H <sub>11</sub> ) <sub>2</sub> )               | 421555-74-0  | --          |
| 206 |    | 全氟己基磺酰氟(PFHxS-F)                                                                                                                                 | 423-50-7     | --          |
| 207 |    | 全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐 (PFHxS-S(C <sub>6</sub> H <sub>4</sub> ) <sub>3</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> )                | 425670-70-8  | --          |
| 208 |    | 全氟己基磺酸锌(PFHxS-Zn)                                                                                                                                | 70136-72-0   | --          |
| 209 |    | 全氟己基磺酸与 2,2'-亚氨基二乙醇络合物(PFHxS-NH(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> )                                                                  | 70225-16-0   | --          |
| 210 |    | 全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )                                                                        | 72033-41-1   | --          |
| 211 |    | 全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐 (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )                  | 866621-50-3  | --          |
| 212 |    | 全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>7</sub> H <sub>7</sub> )                                         | 910606-39-2  | --          |
| 213 |    | 全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐(PFHxS-S(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>10</sub> H <sub>9</sub> O <sub>2</sub> )     | 911027-68-4  | --          |
| 214 |    | 全氟己基磺酸铯(1:1)(PFHxS-Cs)                                                                                                                           | 92011-17-1   | --          |
| 215 |    | 二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐(PFHxS-SC <sub>28</sub> H <sub>31</sub> O <sub>4</sub> )               | 928049-42-7  | --          |
| 216 |    | 全氟己基磺酰氯(PFHxS-Cl)                                                                                                                                | 55591-23-6   | --          |

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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 10 of 18

| No. | 组名             | 物质名称                                                               | CAS No.      | MDL (mg/kg) |
|-----|----------------|--------------------------------------------------------------------|--------------|-------------|
| 217 |                | PFHxS-磷酸酯聚合物                                                       | 911027-69-5  | --          |
| 218 |                | 全氟己基磺酸盐                                                            | 108427-53-8  | --          |
| 219 |                | 全氟己基磺酸四丁基磷 (PFHxS-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> ) | 2310194-12-6 | --          |
| 220 | --             | N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)                                         | 68259-15-4   | 0.010       |
| 221 | --             | 全氟己烷磺酰胺(PFHxSA)                                                    | 41997-13-1   | 0.010       |
| 222 | --             | N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)                                 | 50598-28-2   | 0.010       |
| 223 | --             | 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       |
| 224 | --             | 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       |
| 225 | --             | 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       |
| 226 | --             | 十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)                                 | 68555-75-9   | 0.010       |
| 227 | 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       |
| 228 |                | N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾 (EtFHxSAA-K)                               | 67584-53-6   | --          |
| 229 |                | N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钠 (EtFHxSAA-Na)                              | 68555-70-4   | --          |
| 230 | PFHxA, 及其盐&衍生物 | 全氟己酸(PFHxA)                                                        | 307-24-4     | 0.010       |
| 231 |                | 全氟己酸铵(APFHx)                                                       | 21615-47-4   | --          |
| 232 |                | 全氟己酸钠(PFHxA-Na)                                                    | 2923-26-4    | --          |
| 233 |                | 全氟己酸钾(PFHxA-K)                                                     | 3109-94-2    | --          |
| 234 |                | 全氟己酰氟(PFHxA-F)                                                     | 355-38-4     | --          |
| 235 |                | 全氟己酸银(PFHxA-Ag)                                                    | 336-02-7     | --          |
| 236 |                | 全氟己酸锂(PFHxA-Li)                                                    | 90430-61-8   | --          |
| 237 |                | 全氟己酸酐                                                              | 308-13-4     | --          |
| 238 |                | 全氟己酸哌嗪(2:1)                                                        | 423-47-2     | --          |
| 239 |                | 全氟己酸盐                                                              | 92612-52-7   | --          |
| 240 |                | 全氟己酰氯(PFHxA-Cl)                                                    | 335-53-5     | --          |
| 241 |                | 全氟己酸己胺(PFHxA-C <sub>6</sub> H <sub>15</sub> N)                     | 565225-91-4  | --          |
| 242 |                | 全氟己酸苯基哌嗪(PFHxA-C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> )    | 985-60-4     | --          |
| 243 | --             | 1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)                                      | 647-42-7     | 0.100       |
| 244 | --             | 1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)                                      | 2043-47-2    | 0.400       |
| 245 | --             | 1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)                                      | 17527-29-6   | 0.200       |
| 246 | 6:2 FTS, 及其盐   | 1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)                                         | 27619-97-2   | 0.010       |
| 247 |                | 1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)                                    | 27619-94-9   | --          |
| 248 |                | 1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)                                     | 59587-38-1   | --          |

SGS-CST 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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 11 of 18

| No. | 组名                     | 物质名称                                                                | CAS No.      | MDL<br>(mg/kg) |
|-----|------------------------|---------------------------------------------------------------------|--------------|----------------|
| 249 |                        | 1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH <sub>4</sub> )                       | 59587-39-2   | --             |
| 250 |                        | 1H,1H,2H,2H-全氟辛烷磺酸钡(6:2 FTS-Ba)                                     | 1807944-82-6 | --             |
| 251 |                        | 1H,1H,2H,2H-全氟辛烷磺酸盐(6:2FTS(anion))                                  | 425670-75-3  | --             |
| 252 | --                     | 全氟辛基三乙氧基硅烷(6:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> ) | 51851-37-7   | 0.500          |
| 253 | --                     | 1H,1H,2H,2H-全氟辛基三氯硅烷                                                | 78560-45-9   | 0.200          |
| 254 | --                     | 1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷(PFHx-I)                                | 355-43-1     | 0.200          |
| 255 | --                     | 1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮                                         | 38550-34-4   | 0.200          |
| 256 | --                     | 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          |
| 257 | --                     | 3,3,4,4,5,5,6,7,8-三氟辛酯硫氰酸                                           | 26650-09-9   | 0.200          |
| 258 | 6:2<br>monoPAP,<br>及其盐 | 6:2 磷酸氟调聚物单酯(6:2 monoPAP)                                           | 57678-01-0   | 0.100          |
| 259 |                        | 6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH <sub>4</sub> NH <sub>4</sub> )       | 1000852-37-8 | --             |
| 260 | --                     | 2H,2H,3H,3H-全氟壬酸(6:3 FTCA)                                          | 27854-30-4   | 0.100          |
| 261 | --                     | 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          |
| 262 | --                     | 1H,1H,2H,2H-全氟辛基二甲基氯硅烷(6:2 FTSiMe <sub>2</sub> Cl)                  | 102488-47-1  | 0.200          |
| 263 | --                     | 1H,1H-三氟-1-碘庚烷(6:1 FTI)                                             | 212563-43-4  | 0.200          |
| 264 | --                     | 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          |
| 265 | 6:2 FTPA, 及<br>其盐      | 全氟己基乙基膦酸(6:2 FTPA)                                                  | 252237-40-4  | 0.100          |
| 266 |                        | 全氟己基乙基膦酸钠(Cheminox FHP <sub>2</sub> OH-Na(PFHEPA-Na))               | 1189052-95-6 | --             |
| 267 | --                     | 十一氟正己烷-1-醇(5:1 FTOH)                                                | 423-46-1     | 0.200          |
| 268 | --                     | 1H,1H-全氟庚-1-醇(6:1 FTOH)                                             | 375-82-6     | 0.200          |
| 269 | --                     | 3-全氟己基丙醇(6:3 FTOH)                                                  | 80806-68-4   | 0.200          |
| 270 | --                     | 3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)                             | 914637-05-1  | 0.200          |
| 271 | --                     | 1-(全氟己基)辛烷 (F <sub>6</sub> H <sub>8</sub> )                         | 133331-77-8  | 0.200          |
| 272 | --                     | 1H,1H 三氟庚胺 (6:1 FTNH <sub>2</sub> )                                 | 423-49-4     | 0.200          |
| 273 | --                     | 2H-全氟-2-辛烯酸(6:2 FTUCA)                                              | 70887-88-6   | 0.010          |
| 274 | 6:6 PFPI, 及<br>其盐      | 6:6 全氟次膦酸(6:6 PFPI)                                                 | 40143-77-9   | 0.010          |
| 275 |                        | 6:6 全氟次膦酸钠盐(6:6 PFPI-Na)                                            | 70609-44-8   | --             |
| 276 |                        | 6:6 全氟次膦酸镱(3+)盐(6:6 PFPI-Yb)                                        | 500776-72-7  | --             |
| 277 |                        | 6:6 全氟次膦酸铒(3+)盐(6:6 PFPI-Er)                                        | 500776-73-8  | --             |
| 278 | PFBA, 及其<br>盐          | 全氟丁酸(PFBA)                                                          | 375-22-4     | 0.010          |
| 279 |                        | 七氟丁酸铵(PFBA-NH <sub>4</sub> )                                        | 10495-86-0   | --             |
| 280 |                        | 七氟丁酸钠(PFBA-Na)                                                      | 2218-54-4    | --             |
| 281 |                        | 七氟丁酸钾(PFBA-K)                                                       | 2966-54-3    | --             |
| 282 |                        | 七氟丁酸银(PFBA-Ag)                                                      | 3794-64-7    | --             |



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](mailto:CN.Doccheck@sgs.com)



检测报告  
(PFAS)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 12 of 18

| No. | 组名                | 物质名称                                                                                                                     | CAS No.      | MDL<br>(mg/kg) |
|-----|-------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 283 | PFBS, 及其<br>盐&衍生物 | 全氟丁酸锂(PFBA-Li)                                                                                                           | 4146-76-3    | --             |
| 284 |                   | 七氟丁酸哌嗪(1:1)                                                                                                              | 375-04-2     | --             |
| 285 |                   | 全氟丁酸盐                                                                                                                    | 45048-62-2   | --             |
| 286 |                   | 全氟丁磺酸(PFBS)                                                                                                              | 375-73-5     | 0.010          |
| 287 |                   | 全氟丁基磺酸钾(PFBS-K)                                                                                                          | 29420-49-3   | --             |
| 288 |                   | 全氟丁基磺酸水合物(PFBS-H <sub>2</sub> O)                                                                                         | 59933-66-3   | --             |
| 289 |                   | 九氟-1-丁烷磺酸锂(PFBS-Li)                                                                                                      | 131651-65-5  | --             |
| 290 |                   | 全氟丁基磺酸三苯基铊盐(TPS-PFBS)                                                                                                    | 144317-44-2  | --             |
| 291 |                   | 全氟丁基磺酸二甲基(苯基)铊(PFBS-S(CH <sub>3</sub> ) <sub>2</sub> (C <sub>6</sub> H <sub>5</sub> ))                                   | 220133-51-7  | --             |
| 292 |                   | 全氟丁基磺酸四丁基磷(PFBS-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )                                                         | 220689-12-3  | --             |
| 293 |                   | N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )                                                 | 25628-08-4   | --             |
| 294 |                   | 全氟丁基磺酰氟(PFBS-F)                                                                                                          | 375-72-4     | --             |
| 295 |                   | 全氟丁磺酸吗啉(PFBS-NC <sub>4</sub> H <sub>9</sub> O)                                                                           | 503155-89-3  | --             |
| 296 |                   | 全氟丁基磺酸镁(PFBS-Mg)                                                                                                         | 507453-86-3  | --             |
| 297 |                   | 全氟丁基磺酸铵(PFBS-NH <sub>4</sub> )                                                                                           | 68259-10-9   | --             |
| 298 |                   | 1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐(PFBS-SC <sub>18</sub> H <sub>23</sub> O)                                                       | 209482-18-8  | --             |
| 299 |                   | 全氟丁基磺酰氯(PFBS-Cl)                                                                                                         | 2991-84-6    | --             |
| 300 |                   | 全氟丁基磺酸钠(PFBS-Na)                                                                                                         | 60453-92-1   | --             |
| 301 |                   | 全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> ) | 194999-85-4  | --             |
| 302 |                   | 1,1,2,2,3,4,4,4-一氟丁烷-1-磺酸与 2,2'-亚氨基二乙醇的化合物(1:1)(PFBS-NH(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> )                  | 70225-18-2   | --             |
| 303 |                   | 全氟丁基磺酸四丁基铵((PFBS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> ))                                                       | 108427-52-7  | --             |
| 304 |                   | 全氟丁基磺酸二苯碘((PFBS-I(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> ))                                                        | 194999-82-1  | --             |
| 305 |                   | 全氟丁基磺酸三(4-叔丁基苯基)铊                                                                                                        | 241806-75-7  | --             |
| 306 |                   | 全氟丁基磺酸(4-环己基苯基)(二苯基)铊                                                                                                    | 425670-64-0  | --             |
| 307 |                   | 全氟丁基磺酸 1-(1-甲基-1H-吡啶-3-基)硫醇-1-鎓                                                                                          | 867373-18-0  | --             |
| 308 |                   | 全氟丁基磺酸 1-乙基-3-甲基吡啶鎓                                                                                                      | 1015420-87-7 | --             |
| 309 |                   | 全氟丁基磺酸 1-甲基-3-辛基咪唑鎓                                                                                                      | 905972-83-0  | --             |
| 310 |                   | 全氟丁基磺酸 1-己基-3-甲基咪唑鎓                                                                                                      | 1001557-05-6 | --             |
| 311 |                   | 全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺                                                                                            | 374571-81-0  | --             |
| 312 |                   | 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  | --             |
| 313 |                   | 全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)                                                                                           | 124472-66-8  | --             |

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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 13 of 18

| No. | 组名              | 物质名称                                                             | CAS No.       | MDL<br>(mg/kg) |
|-----|-----------------|------------------------------------------------------------------|---------------|----------------|
| 314 |                 | 全氟丁基磺酸锌(2:1)(PFBS-Zn)                                            | 502457-69-4   | --             |
| 315 |                 | 全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)                                          | 56773-55-8    | --             |
| 316 |                 | 全氟丁基磺酸四甲基铵盐 (PFBS-N(CH <sub>3</sub> ) <sub>4</sub> )             | 25628-17-5    | --             |
| 317 |                 | 全氟丁烷磺酸酐                                                          | 36913-91-4    |                |
| 318 |                 | 全氟丁基磺酸盐                                                          | 45187-15-3    | --             |
| 319 |                 | 1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩                                      | EC: 468-770-4 | --             |
| 320 |                 | 全氟丁基磺酸三乙基铵                                                       | 182059-38-7   | --             |
| 321 |                 | N-(2-羟乙基)-N,N-二甲基-1-辛铵全氟-1-丁磺酸盐<br>(1:1)                         | 334529-55-4   | --             |
| 322 |                 | 全氟丁基磺酸 1-十六烷基吡啶鎓                                                 | 334529-62-3   | --             |
| 323 |                 | 全氟丁基磺酸 1-丁基吡啶鎓                                                   | 334529-64-5   | --             |
| 324 |                 | N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐                                       | 495417-51-1   | --             |
| 325 |                 | 三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)                                       | 722538-68-3   | --             |
| 326 | PFPeA, 及其<br>盐  | 全氟戊酸(PFPeA)                                                      | 2706-90-3     | 0.010          |
| 327 |                 | 全氟戊酸钠(PFPeA-Na)                                                  | 2706-89-0     | --             |
| 328 |                 | 全氟戊酸钾(PFPeA-K)                                                   | 336-23-2      | --             |
| 329 |                 | 全氟戊酸锂(PFPeA-Li)                                                  | 198482-22-3   | --             |
| 330 |                 | 全氟戊酸银(PFPeA-Ag)                                                  | 2795-30-4     | --             |
| 331 |                 | 全氟戊酸铵(PFPeA-NH <sub>4</sub> )                                    | 68259-11-0    | --             |
| 332 |                 | 全氟戊酸盐                                                            | 45167-47-3    | --             |
| 333 |                 | 全氟戊酸苄基硫脲 (PFPeA-C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> S) | 64808-55-5    | --             |
| 334 |                 | 全氟戊酸酐 (PFPeAA)                                                   | 308-28-1      | --             |
| 335 | HPFHpA, 及<br>其盐 | 7H-十二氟庚酸(HPFHpA)                                                 | 1546-95-8     | 0.010          |
| 336 |                 | 7H-十二氟庚酸钠(HPFHpA-Na)                                             | 2264-25-7     | --             |
| 337 |                 | 7H-十二氟庚酸铵(HPFHpA-NH <sub>4</sub> )                               | 376-34-1      | --             |
| 338 |                 | 7H-十二氟庚酸盐 (HPFHpA(anion))                                        | 69681-35-2    | --             |
| 339 | PFHpS, 及其<br>盐  | 全氟庚烷磺酸(PFHpS)                                                    | 375-92-8      | 0.010          |
| 340 |                 | 全氟庚基磺酸钠(PFHpS-Na)                                                | 21934-50-9    | --             |
| 341 |                 | 全氟庚基磺酸钾(PFHpS-K)                                                 | 60270-55-5    | --             |
| 342 |                 | 全氟庚磺酸铵(PFHpS-NH <sub>4</sub> )                                   | 68259-07-4    | --             |
| 343 |                 | 全氟庚烷磺酸锂(PFHpS-Li)                                                | 117806-54-9   | --             |
| 344 |                 | 全氟庚烷磺酸-双(2-羟乙基)铵(1:1)                                            | 70225-15-9    | --             |
| 345 |                 | 全氟庚烷磺酸盐                                                          | 146689-46-5   | --             |
| 346 |                 | 全氟庚烷磺酸三乙基铵                                                       | 72033-40-0    | --             |
| 347 |                 | 全氟庚烷磺酸四乙基铵                                                       | 439863-97-5   | --             |
| 348 |                 | 全氟庚烷磺酸酐(PFHpSA)                                                  | 140429-92-1   | --             |
| 349 |                 | 全氟庚酸(PFHpA)                                                      | 375-85-9      | 0.010          |

SGS-CST 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](mailto: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](http://www.sgsgroup.com.cn)  
t (86-20) 82155555 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

检测报告  
(PFAS)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 14 of 18

| No. | 组名               | 物质名称                                                                                                                   | CAS No.      | MDL (mg/kg) |
|-----|------------------|------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| 350 | PFHpA, 及其盐       | 全氟庚酸钠(PFHpA-Na)                                                                                                        | 20109-59-5   | --          |
| 351 |                  | 全氟庚酸钾(PFHpA-K)                                                                                                         | 21049-36-5   | --          |
| 352 |                  | 全氟庚酸铵(PFHpA-NH <sub>4</sub> )                                                                                          | 6130-43-4    | --          |
| 353 |                  | 全氟庚酸铯(PFHpA-Cs)                                                                                                        | 171198-24-6  | --          |
| 354 |                  | 全氟庚酸银(PFHpA-Ag)                                                                                                        | 424-05-5     | --          |
| 355 |                  | 全氟庚酸锂(PFHpA-Li)                                                                                                        | 60871-90-1   | --          |
| 356 |                  | 全氟庚酸盐                                                                                                                  | 120885-29-2  | --          |
| 357 | 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       |
| 358 |                  | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH <sub>4</sub> )                                                                      | 62037-80-3   | --          |
| 359 |                  | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)                                                                                     | 67118-55-2   | --          |
| 360 |                  | 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    | --          |
| 361 |                  | 2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸                                                                                          | 75579-39-4   | --          |
| 362 |                  | 2,3,3,3-四氟-2-(七氟丙氧基)-, (-)-丙酸                                                                                          | 75579-40-7   | --          |
| 363 |                  | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠                                                                                                | 67963-75-1   | --          |
| 364 |                  | 全氟(2-丙氧基丙酸酯)                                                                                                           | 122499-17-6  | --          |
| 365 |                  | 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  | --          |
| 366 |                  | 全氟-2-丙氧基丙酸三乙胺                                                                                                          | 165951-18-8  | --          |
| 367 |                  | 4-[(6-甲氧基-3-吡嗪基)氨基酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺                                                                          | 298703-31-8  | --          |
| 368 |                  | 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 <sub>14</sub> H <sub>16</sub> I <sub>3</sub> NO <sub>2</sub> ) | 2412106-69-3 | --          |
| 369 | 4:2 FTS, 及其盐     | 1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)                                                                                            | 757124-72-4  | 0.010       |
| 370 |                  | 1H,1H,2H,2H-全氟己烷磺酸钠                                                                                                    | 27619-93-8   | --          |
| 371 |                  | 1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))                                                                                    | 414911-30-1  | --          |
| 372 | PFPeS, 及其盐       | 全氟戊磺酸(PFPeS)                                                                                                           | 2706-91-4    | 0.010       |
| 373 |                  | 全氟戊磺酸钠(PFPeS-Na)                                                                                                       | 630402-22-1  | --          |
| 374 |                  | 全氟戊磺酸钾(PFPeS-K)                                                                                                        | 3872-25-1    | --          |
| 375 |                  | 全氟戊磺酸铵(PFPeS-NH <sub>4</sub> )                                                                                         | 68259-09-6   | --          |
| 376 |                  | 全氟戊磺酸-双(2-羟乙基)铵                                                                                                        | 70225-17-1   | --          |
| 377 |                  | 全氟戊磺酸锂(PFPeS-Li)                                                                                                       | 1046864-81-6 | --          |
| 378 |                  | 全氟戊磺酸盐                                                                                                                 | 175905-36-9  | --          |
| 379 |                  | 全氟戊磺酸三乙基铵                                                                                                              | 72033-42-2   | --          |
| 380 |                  | 全氟戊烷磺酸酐(PFPeSA)                                                                                                        | 161877-72-1  | --          |
| 381 | --               | 2-全氟己基乙酸(6:2 FTCA)                                                                                                     | 53826-12-3   | 0.010       |
| 382 | --               | 3-全氟戊基丙酸(5:3 FTCA)                                                                                                     | 914637-49-3  | 0.010       |

SGS-CSL 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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 15 of 18

| No. | 组名                             | 物质名称                                                           | CAS No.      | MDL (mg/kg) |
|-----|--------------------------------|----------------------------------------------------------------|--------------|-------------|
| 383 | PFHxDA, 及其盐                    | 全氟正十六酸(PFHxDA)                                                 | 67905-19-5   | 0.010       |
| 384 |                                | 全氟正十六酸盐 (PFHxDA(anion))                                        | 1214264-30-8 | --          |
| 385 | PFODA, 及其盐                     | 全氟正十八酸(PFODA)                                                  | 16517-11-6   | 0.010       |
| 386 |                                | 全氟正十八酸盐(PFODA(anion))                                          | 798556-82-8  | --          |
| 387 | --                             | 1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)                                | 2144-53-8    | 0.200       |
| 388 | ADONA, 及其盐                     | 4,8-二氧-3H-全氟壬酸(ADONA)                                          | 919005-14-4  | 0.010       |
| 389 |                                | 4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH <sub>4</sub> )                       | 958445-44-8  | --          |
| 390 |                                | 4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)                                     | 2250081-67-3 | --          |
| 391 | --                             | 全氟-3-甲氧基丙酸(PFMPA)                                              | 377-73-1     | 0.010       |
| 392 | --                             | 全氟-4-甲氧基丁酸(PFMBA)                                              | 863090-89-5  | 0.010       |
| 393 | --                             | 全氟-3,6-二氧杂庚酸(NFDHA)                                            | 151772-58-6  | 0.010       |
| 394 | 9Cl-PF <sub>3</sub> ONS, 及其盐   | 9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF <sub>3</sub> ONS)                    | 756426-58-1  | 0.010       |
| 395 |                                | 9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF <sub>3</sub> ONS-K)                | 73606-19-6   | --          |
| 396 |                                | 9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF <sub>3</sub> ONS-NH <sub>4</sub> ) | 1383434-28-3 | --          |
| 397 | 11Cl-PF <sub>3</sub> OUdS, 及其盐 | 11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF <sub>3</sub> OUdS)                | 763051-92-9  | 0.010       |
| 398 |                                | 11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF <sub>3</sub> OUdS-K)             | 83329-89-9   | --          |
| 399 | --                             | 全氟(2-乙氧基乙烷)磺酸(PFEESA)                                          | 113507-82-7  | 0.010       |
| 400 | --                             | 3-全氟丙基丙酸(3:3 FTCA)                                             | 356-02-5     | 0.010       |
| 401 | PFPeDA, 及其盐                    | 全氟十五烷酸(PFPeDA)                                                 | 141074-63-7  | 0.100       |
| 402 |                                | 全氟十五烷酸盐(PFPeDA(anion))                                         | 1214264-29-5 | --          |
| 403 | --                             | 1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)                               | 1799-84-4    | 0.200       |
| 404 | --                             | 2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC)                                | 423-82-5     | 0.200       |
| 405 | --                             | 1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)                                  | 2043-57-4    | 0.100       |
| 406 | --                             | 九氟丁烷磺酰胺(PFBSA)                                                 | 30334-69-1   | 0.100       |
| 407 | --                             | N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC <sub>3</sub> H <sub>8</sub> O)   | 34454-97-2   | 0.010       |
| 408 | 11H-PFUnDA, 及其盐                | 11H-全氟十一烷酸(11H-PFUnDA)                                         | 1765-48-6    | 0.100       |
| 409 |                                | 11H-全氟十一烷酸钾(11H-PFUnDA-K)                                      | 307-71-1     | --          |
| 410 |                                | 11H-全氟十一烷酸铵(11H-PFUnDA-NH <sub>4</sub> )                       | 5081-02-7    | --          |
| 411 |                                | 11H-全氟十一烷酸盐 (11H-PFUnDA(anion))                                | 69681-37-4   | --          |
| 412 | PFPrA, 及其盐                     | 五氟丙酸(PFPrA)                                                    | 422-64-0     | 0.100       |
| 413 |                                | 五氟丙酸钠(PFPrA-Na)                                                | 378-77-8     | --          |
| 414 |                                | 五氟丙酸银(PFPrA-Ag)                                                | 509-09-1     | --          |
| 415 |                                | 五氟丙酸钾(PFPrA-K)                                                 | 378-76-7     | --          |

SGS-CT 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](mailto: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)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 16 of 18

| No. | 组名                | 物质名称                                             | CAS No.     | MDL<br>(mg/kg) |
|-----|-------------------|--------------------------------------------------|-------------|----------------|
| 416 |                   | 五氟丙酸铵(PFPrA-NH <sub>4</sub> )                    | 2730-58-7   | --             |
| 417 | HFPO-TA,<br>及其盐   | 全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA)                   | 13252-14-7  | 0.200          |
| 418 |                   | 全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)                | 67118-57-4  | --             |
| 419 |                   | 全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)               | 67963-76-2  | --             |
| 420 |                   | 全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH <sub>4</sub> ) | 13043-05-5  | --             |
| 421 |                   | 全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)             | 2641-34-1   | --             |
| 422 | --                | 全氟乙烷磺酸(PF <sub>2</sub> EtS)                      | 354-88-1    | 0.010          |
| 423 | 6:2 diPAP,<br>及其盐 | 双[2-(全氟己基)乙基]磷酸盐(6:2 diPAP)                      | 57677-95-9  | 0.010          |
| 424 |                   | 双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)                    | 407582-79-0 | --             |
| 425 |                   | 双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))             | 667465-18-1 | --             |
| 426 | TFSI, 及其盐         | 双(三氟甲烷)磺酰亚胺(TFSI)                                | 82113-65-3  | 0.010          |
| 427 |                   | 1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺                          | 223437-11-4 | --             |
| 428 |                   | 三丁基甲基铵双(三氟甲烷)磺酰亚胺                                | 405514-94-5 | --             |
| 429 |                   | 双(三氟甲烷)磺酰亚胺锂(TFSI-Li)                            | 90076-65-6  | --             |
| 430 |                   | 1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺                           | 433337-23-6 | --             |

2.针对纺织品和皮革样品, \*物质的 MDL=0.200mg/kg。

SGS-CTI 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](mailto: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](http://www.sgsgroup.com.cn)  
t (86-20) 82155555 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



检测报告  
(PFAS)

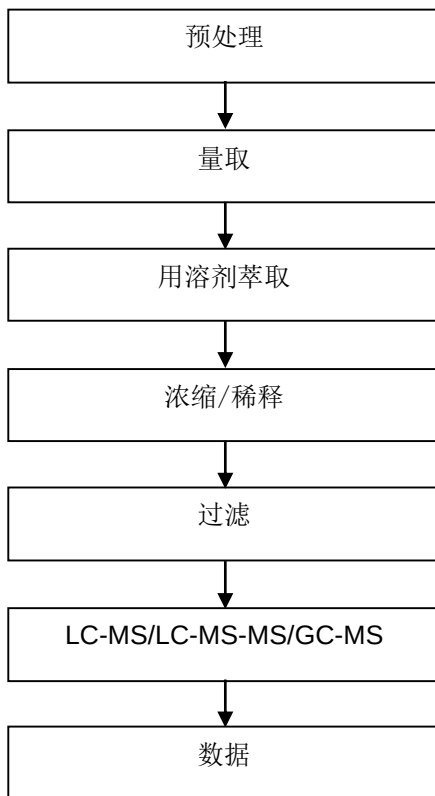
附件

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 17 of 18

## PFASs/ PFOS/PFOA 检测流程图

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](mailto: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)

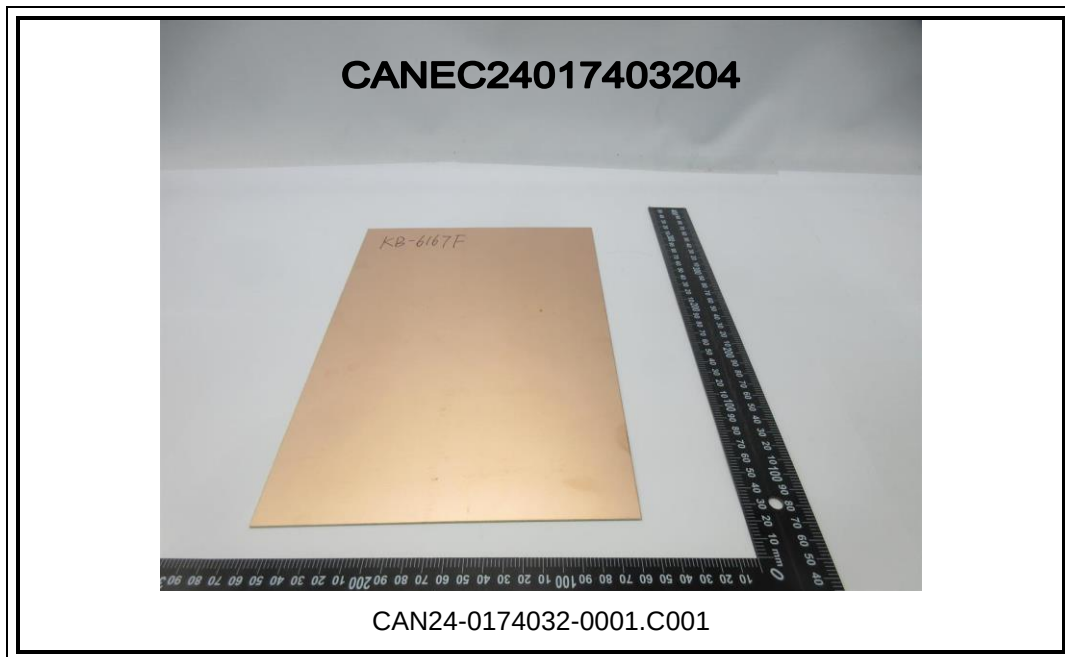
检测报告  
(PFAS)

No.: CANEC24017403204

Date: 2024 年 08 月 21 日

Page 18 of 18

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 Services 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](mailto: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)