

Test Report No.: CANEC25014070601 **Date**: Jun 20, 2025 Page 1 of 15

Client Name: Uniroyal Electronics Industry Co., Ltd.

Client Address: 88 Longteng Road, Economic & Technical Development Zone, Kunshan City, Jiangsu,

CHINA

Sample Name: Chip Resistors

Buyer: Uniroyal Electronics Global Co.,Ltd.
Supplier: Uniroyal Electronics Industry Co., Ltd.

Aeon Technology Corporation Co.,Ltd.

Royal Electronic Factory (Thailand) Co.,Ltd.

Royal Technology (Thailand) Co.,Ltd. UNUS TECHNOLOGY CORPORATION

The above sample(s) and information were provided by the client.

SGS Job No.: XMP25-002575 Sample Receiving Date: Jun 13, 2025

Testing Period: Jun 13, 2025 ~ Jun 20, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|--|------------|
| Draft regulations to European Regulation POPs (EU) 2019/1021 Annex I and | Pass |
| its amendments | 1 433 |
| European Regulation POPs (EU) 2024/2570 amending to Regulation (EU) 2019/1021 Annex I–Hexabromocyclododecane (HBCDD) and all major | Pass |
| diastereoisomers identified (α-HBCDD, β-HBCDD) | r ass |
| European Regulation POPs (EU) 2019/1021 Annex I– Alkanes C ₁₀ -C ₁₃ , chloro | Pass |
| (short chain-chlorinated paraffins) (SCCPs) | |
| European Regulation POPs (EU) 2021/277 amending to Regulation (EU) 2019/1021 Annex I– Pentachlorophenol (PCP) and its salts and esters | Pass |
| European Regulation POPs (EU) 2019/1021 Annex I–Halogenated compounds | Pass |
| European Regulation POPs (EU) 2023/1608 amending to Regulation (EU) 2019/1021 Annex I-PFHxS, its salts and PFHxS related compounds | Pass |

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Arsene Ye

Arsene Ye

Approved Signatory





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

No.198, Kezhu Road, Science Cily, 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 t (86–20) 82155555



Test Report No.: CANEC25014070601 Date: Jun 20, 2025 Page 2 of 15

| Test Requirement | Conclusion |
|--|------------|
| European Regulation POPs (EU) 2020/784 amending to Regulation (EU) | |
| 2019/1021 Annex I - Perfluorooctanoic acid (PFOA) and its salts, PFOA- | Pass |
| Related Substances, Perfluorooctane sulfonic acid (PFOS) and its derivatives | |

Test Result(s):

Test Part Description:

| ĺ | SN ID | Sample No. | SGS Sample ID | Description |
|---|-------|------------|-------------------------|------------------|
| | SN1 | A1 | CAN25-0140706-0001.C001 | "Chip Resistors" |

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

<u>Draft regulations to European Regulation POPs (EU) 2019/1021 Annex I and its amendments</u>

Test Method: SGS In-House method, analysis was performed by GC-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|---------------------|--------------|-------|---------|-----|------|
| | 13560-89-9 | | | | |
| Dechlorane Plus(DP) | /135821-03-3 | 1 | mg/kg | 1 | ND |
| | /135821-74-8 | | | | |
| UV-328 | 25973-55-1 | 1 | mg/kg | 1 | ND |
| Conclusion | | | | | Pass |

Notes:

(1) Proposed effective date of UV 328 and Dechlorane Plus is February 26, 2025.

European Regulation POPs (EU) 2024/2570 amending to Regulation (EU) 2019/1021 Annex I– Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|-----------------------------------|--------------|-------|---------|-----|------|
| | 25637-99-4, | | | | |
| Hexabromocyclododecane (HBCDD) | 3194-55-6, | | | | |
| and its main diastereoisomers (α- | 134237-50-6, | 75 | mg/kg | 20 | ND |
| HBCDD, β-HBCDD, γ-HBCDD) | 134237-51-7, | | | | |
| , , , , , | 134237-52-8 | | | | |
| Conclusion | | | | | Pass |

Notes:

(1) The exemptions laid down shall be reviewed and assessed by the Commission by 1 January 2026.

<u>European Regulation POPs (EU) 2019/1021 Annex I– Alkanes C₁₀-C₁₃, chloro (short chain-chlorinated paraffins) (SCCPs)</u>



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@gs.com.

No.198, Kezhu Read, 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



Test Report No.: CANEC25014070601 Date: Jun 20, 2025 Page 3 of 15

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|--|--------------------------|-------|---------|-----|------|
| Alkanes, C ₁₀ -C ₁₃ , chloro (short chain- chlorinated paraffins) (SCCPs) | 85535-84-8 and others | 1500 | mg/kg | 50 | ND |
| Conclusion | | | | | Pass |

<u>European Regulation POPs (EU) 2021/277 amending to Regulation (EU) 2019/1021 Annex I–Pentachlorophenol (PCP) and its salts and esters</u>

Test Method: With reference to EN 17134-2:2023, analysis was performed by GC-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|---------------------------------------|------------|-------|---------|-----|------|
| Pentachlorophenol (PCP) and its salts | 87-86-5 | 5 | ma/ka | 0.5 | ND |
| and esters | and others | J | mg/kg | 0.5 | ND |
| Conclusion | | | | | Pass |

European Regulation POPs (EU) 2019/1021 Annex I-Halogenated compounds

Test Method: SGS In-House method, analysis was performed by GC-ECD or GC-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|-------------------------------------|--------------------------|----------------|---------|-----|----|
| Hexachlorobutadiene | 87-68-3 | Prohibite d | mg/kg | 5 | ND |
| Pentachlorobenzene | 608-93-5 | Prohibite d | mg/kg | 5 | ND |
| Polychlorinated biphenyls (PCBs) | 1336-36-3 and others | 50 | mg/kg | 5 | ND |
| Polychlorinated naphthalenes (PCNs) | 70776-03-3 and others | Prohibite d | mg/kg | 5 | ND |
| Hexabromodiphenyl | 36355-01-8 | Prohibite d | mg/kg | 5 | ND |
| Tetrabromodiphenyl ether | 40088-47-9 and others | - | mg/kg | 5 | ND |
| Pentabromodiphenyl ether | 32534-81-9 and others | - | mg/kg | 5 | ND |
| Hexabromodiphenyl ether | 36483-60-0 and others | - | mg/kg | 5 | ND |
| Heptabromodiphenyl ether | 68928-80-3 and others | - | mg/kg | 5 | ND |
| Decabromodiphenyl ether; (decaBDE) | 1163-19-5 | - | mg/kg | 5 | ND |
| Sum of PBDEs* | - | 500 | mg/kg | - | ND |
| Conclusion | | | | | |

Notes:

(1) Sum of PBDEs* Means Sum of Tetrabromodiphenyl ether, Pentabromodiphenyl ether, Hexabromodiphenyl ether, Heptabromodiphenyl ether and Decabromodiphenyl ether.

(2) Exemptions: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether are ≤ 10 mg/kg for substances, and Sum of tetra-, penta-, hexa-, hepta- and decaBDE ≤500 mg/kg for mixtures or articles, this restriction is subject to subject



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@gs.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



Test Report No.: CANEC25014070601 Date: Jun 20, 2025 Page 4 of 15

to review and assessment by the European by 16 July 2021.

(3) Exemption: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether in electrical and electronic equipment within the scope of Directive 2011/65/EU are exempted.

<u>European Regulation POPs (EU) 2023/1608 amending to Regulation (EU) 2019/1021 Annex I-PFHxS, its salts and PFHxS related compounds</u>

Test Method: Modified EN 17681-1:2022 and EN 17681-2:2022, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|--|------------|-------|---------|-------|------|
| PFHxS, its salts | | | | | |
| Perfluorohexanesulfonic acid (PFHxS), its salts^ | 355-46-4 | 0.025 | mg/kg | 0.010 | ND |
| PFHxS-related compounds | | | | | |
| N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA) | 68259-15-4 | 1 | mg/kg | 0.010 | ND |
| Perfluorohexane sulfonamide (PFHxSA) | 41997-13-1 | 1 | mg/kg | 0.010 | ND |
| N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N- AP-FHxSA) | 50598-28-2 | 1 | mg/kg | 0.010 | ND |
| 2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N- MeFHSEA) | 67584-57-0 | 1 | mg/kg | 0.200 | ND |
| 2-Propenoic acid, 2-methyl-, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester | 67584-61-6 | 1 | mg/kg | 0.200 | ND |
| 2-Propenoic acid, 2-methyl-, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester | 67906-70-1 | 1 | mg/kg | 0.200 | ND |
| 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N- (2-hydroxyethyl)-N-methyl-(MeFHxSE) | 68555-75-9 | 1 | mg/kg | 0.010 | ND |
| Glycine, N-ethyl-N- [(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl] (EtFHxSAA), its salts^ | 68957-32-4 | 1 | mg/kg | 0.010 | ND |
| Sum of PFHxS-related compounds | | 1 | mg/kg | - | ND |
| Conclusion | | | | | Pass |

Notes

(1) Commission Delegated Regulation (EU) 2023/1608 of May 30, 2023, amending to Regulation (EU) 2019/1021 Annex I as regard the listing of perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds, Official Journal of the EU, August 8, 2023.

| Substance | Scope | Specific exemption on intermediate |
|---------------------|-------------|------------------------------------|
| | | use or other specification |
| PFHxS and its salts | Substances, | ≤ 0.025 mg/kg |



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@gs.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



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 5 of 15

| | mixtures or articles | |
|----------------------|----------------------|---------------------------------------|
| PFHxS-related | Substances, | ≤ 1 mg/kg (individual or sum of all) |
| compounds | mixtures or articles | |
| PFHxS, its salts and | Concentrated | ≤ 0.1 mg/kg (to be reviewed within |
| PFHxS-related | firefighting foam | three years after entry into force of |
| compounds | | this amending regulation with a view |
| | | to lower the limit) |

- (2) The tested perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds refer to the "Listed under the POPs Regulation" of ECHA, please find more information via below weblink: https://echa.europa.eu/list-of-substances-proposed-as-pops
- (3) ^=Substances refer to its salts/derivative listed in below table

| PFHxS, its salts & derivatives | |
|---|------------------|
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 |
| Perfluorohexanesulfonate Na-salt (PFHxS-Na) | 82382-12-5 |
| Perfluorohexanesulfonate K-salt (PFHxS-K) | 3871-99-6 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li) | 55120-77-9 |
| Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄) | 68259-08-5 |
| Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP) | 1000597-52- 3 |
| N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS- $N(C_4H_9)_4$) | 108427-54-9 |
| N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_2H_5) ₄) | 108427-55-0 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) (PFHxS-NC ₄ H ₉) | 1187817-57- 7 |
| Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄) | 1310480-24- 0 |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, $1,1,2,2,3,3,4,4,5,5,6,6,6$ -tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂) | 1310480-27- 3 |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, $1,1,2,2,3,3,4,4,5,5,6,6$ 6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂) | 1310480-28- 4 |
| Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-C ₄₂ H ₇₀ O ₃₅) | 1329995-45- 0 |
| Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-C ₄₈ H ₈₀ O ₄₀) | 1329995-69- 8 |
| Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS) | 144116-10-9 |
| Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂) | 1462414-59- 0 |

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@gs.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



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 6 of 15

| lodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfoniate (1:1) (PFHxS-I(C ₆ H ₅) ₂) 189274-31-5 1 | • | <u> </u> |
|--|--|-------------|
| Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-2-dompd.with 2-methyl-2-propanamine (1:1) (PFHxS-NH ₂ (CH ₃) ₂) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-INE ₂ (CH ₃) ₂) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-3-hexanesulfonate (1:1) (PFHxS-IC ₆ H ₄) ₂ (C ₄ H ₉) ₂) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C,Hr) ₂ C ₆ H ₅) 341548-85-4 tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C,Hr) ₂ C ₆ H ₅) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1) (PFHxS-SC) 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1) (PFHxS-N) 4184-65-0 | | 153443-35-7 |
| | Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6- | 189274-31-5 |
| | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, | 202189-84-2 |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$ | lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6- | 213740-81-9 |
| | salt (9CI)(PFHxS-Ga) | 341035-71-0 |
| $ \begin{array}{ll} scandium(3+) \ salt \ (3:1)(PFHxS-Sc) \\ 1-Hexanesulfonic \ acid, \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, \\ neodymium(3+) \ salt \ (3:1)(PFHxS-Nd) \\ 1-Hexanesulfonic \ acid, \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, \\ yttrium(3+) \ salt \ (3:1)(PFHxS-Y) \\ Sulfonium, \ (thiodi-4,1-phenylene)bis[diphenyl-, salt \ with \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic \ acid \ (1:2)(PFHxS-S_3(C_6H_5)_4(C_6H_4)_2) \\ Iodonium, \ bis[4-(1,1-dimethylpropyl)phenyl]-, \ salt \ with \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I) \\ (C_6H_4)_2(C_6H_1) \\ Perflurohexane \ sulphonyl \ fluoride(PFHxS-F) \\ Sulfonium, \ tris[4-(1,1-dimethylethyl)phenyl]-, \ 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic \ (1:1)(PFHxS-S(C_6H_4)_3) \\ 1-Hexanesulfonic \ acid, \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, \ zinc \ salt \ (PFHxS-Zn) \\ Tridecafluoro-1-hexanesulphonic \ acid, \ compound \ with \ 2,2'-iminodiethanol \ (1:1)(PFHxS-NH(C_2H_5)_2) \\ 1-Hexanesulfonic \ acid, \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, \ compd. \ with \ NN-diethylethanamine \ (1:1)(PFHxS-N(C_2H_5)_3) \\ Iodonium, \ bis[(1,1-dimethylethyl)phenyl]-, \ salt \ with \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic \ acid \ (1:1) \ (9Cl) \ (PFHxS-I(C_6H_4)_2(C_4H_9)_2) \\ Sulfonium, \ [4-(1-methyl-1-oxo-2-propen-1-yl)oxylphenyl]diphenyl-, \ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, \ cesium \ salt \ (1:1) \ (PFHxS-Cs) \ ($ | tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C ₇ H ₇) ₂ C ₆ H ₅) | 341548-85-4 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | scandium(3+) salt (3:1)(PFHxS-Sc) | |
| | neodymium(3+) salt (3:1)(PFHxS-Nd) | |
| $ \begin{array}{lll} 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(\\ PFHxS-S_3(C_6H_5)_4(C_6H_4)_2)\\ \hline \\ lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I)\\ \hline \\ (C_6H_4)_2(C_5H_{11})\\ \hline \\ Perflurohexane sulphonyl fluoride(PFHxS-F)\\ \hline Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic (1:1)(PFHxS-S(C_6H_4)_3(C_4H_9)_3)\\ \hline \\ 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)\\ \hline \\ 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.\\ \hline \\ (1:1)(PFHxS-NH(C_2H_5O)_2)\\ \hline \\ 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.\\ \hline \\ with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)_3)\\ \hline \\ lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl) (PFHxS-I(C_6H_4)_2(C_4H_9)_2)\\ \hline \\ Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2C_7H_7)\\ \hline \\ Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2C_7H_7)\\ \hline \\ Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_2H_31O_4)\\ \hline \\ Perfluorohexylsulfonyl chloride (PFHxS-Cl) 55591-23-6\\ \hline Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5\\ \hline \\ Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 9$ | yttrium(3+) salt (3:1)(PFHxS-Y) | |
| $ \begin{array}{lll} 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I\\ (C_6H_4)_2(C_5H_{11}) & 423-50-7 \\ Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_4)_3(C_4H_9)_3) \\ 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn) & 70136-72-0 \\ (PFHxS-Zn) & 70136-72-0 \\ (1:1)(PFHxS-NH(C_2H_5O)_2) & 70225-16-0 \\ (1:1)(PFHxS-NH(C_2H_5O)_2) & 70225-16-0 \\ (1:1)(PFHxS-NH(C_2H_5O)_2) & 70233-41-1 \\ & with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)_3) \\ & 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. \\ & with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)_3) \\ & 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) \\ & (PFHxS-I(C_6H_4)_2(C_4H_9)_2) \\ & 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2C_7H_7) \\ & 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2B_10H_9O_2) \\ & 1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs) \\ & Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexanydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_28H_31O_4) \\ & Perfluorohexylsulfonyl chloride (PFHxS-Cl) \\ & Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5 \\ & Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5 \\ & 1-1027-69-1 \\ & 1-1027-69-1 \\ & 1-1027-69-1 \\ & 1-1$ | 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS-S ₃ (C ₆ H ₅) ₄ (C ₆ H ₄) ₂) | |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$ | 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I | 421555-74-0 |
| $ \begin{array}{l} \text{tridecafluoro-1-hexanesulfonate } & (1:1)(\text{PFHxS-S}(C_6H_4)_3(C_4H_9)_3) \\ 1\text{-Hexanesulfonic acid, } & 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-, zinc salt} \\ & (\text{PFHxS-Zn}) \\ \hline & \text{Tridecafluorohexanesulphonic acid, compound with } & 2,2'\text{-iminodiethanol} \\ & (1:1)(\text{PFHxS-NH}(C_2H_5O)_2) \\ \hline & 1\text{-Hexanesulfonic acid, } & 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-, compd.} \\ & \text{with N,N-diethylethanamine } & (1:1)(\text{PFHxS-N}(C_2H_5)_3) \\ \hline & \text{Iodonium, bis}[(1,1\text{-dimethylethyl})\text{phenyl}]\text{-, salt with} \\ & 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonic acid } & (1:1)(\text{PCI}) \\ \hline & (\text{PFHxS-I}(C_6H_4)_2(C_4H_9)_2) \\ \hline & \text{Sulfonium, } & (4\text{-methylphenyl})\text{diphenyl-, } & 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonate } & (1:1)(\text{PFHxS-S}(C_6H_5)_2C_7H_7) \\ \hline & \text{Sulfonium, } & [4\text{-}((2\text{-methyl-1-oxo-2-propen-1-yl})\text{oxy]}\text{phenyl}]\text{diphenyl-,} \\ & 1,1,2,2,3,3,4,4,5,5,6,6,6,6\text{frtidecafluoro-1-hexanesulfonate } & (1:1)(\text{PFHxS-S}(C_6H_5)_2B_{10}H_9O_2) \\ \hline & 1\text{-Hexanesulfonic acid, } & 9,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-, cesium } \\ & \text{salt } & (1:1)(\text{PFHxS-Cs})(\text{PFHxS-Cs}) \\ \hline & \text{Dibenzo}[k,n][1,4,7,10,13]\text{tetraoxathiacyclopentadecinium, } & 19\text{-}[4\text{-}(1,1\text{-dimethylethyl})\text{phenyl}]\text{-}6,7,9,10,12,13\text{-hexanydro-,} \\ & 1,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-1-hexanesulfonate } & (1:1)(\text{PFHxS-S}(2_8H_{31}O_4)) \\ \hline & \text{Perfluorohexylsulfonyl chloride } & (\text{PFHxS-Cl}) \\ \hline & \text{Sulfonium, } & [4\text{-}((2\text{-methyl-1-oxo-2-propenyl)oxy]}\text{phenyl}]\text{diphenyl-, salt with} \\ \hline & 911027\text{-}69\text{-}5 \\ \hline & \text{Sulfonium, } & [4\text{-}((2\text{-methyl-1-oxo-2-propenyl)oxy}]\text{phenyl}]\text{diphenyl-, salt with} \\ \hline & 911027\text{-}69\text{-}5 \\ \hline \\ \hline & \text{Sulfonium, } & [4\text{-}((2\text{-methyl-1-oxo-2-propenyl)oxy}]\text{phenyl}]\text{diphenyl-, salt with} \\ \hline & 911027\text{-}69\text{-}5 \\ \hline \\ \hline & \text{Sulfonium, } & [4\text{-}((2\text{-methyl-1-oxo-2-propenyl)oxy}]\text{phenyl}]\text{diphenyl-, salt with} \\ \hline & \text{Sulfonium, } & Sulfon$ | Perflurohexane sulphonyl fluoride(PFHxS-F) | 423-50-7 |
| $ \begin{array}{c} (\text{PFHxS-Zn}) \\ \text{Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol} \\ (1:1)(\text{PFHxS-NH}(C_2H_5O)_2) \\ \text{1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.} \\ \text{with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)_3)} \\ \text{Iodonium, bis}[(1,1-dimethylethyl)phenyl]-, salt with \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) \\ (\text{PFHxS-I}(C_6H_4)_2(C_4H_9)_2) \\ \text{Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2C_7H_7)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_2B_{10}H_9O_2)} \\ \text{1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)} \\ \text{Dibenzo}[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_2BH_{31}O_4) \\ \text{Perfluorohexylsulfonyl chloride (PFHxS-Cl)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5} \\ \end{array}$ | | 425670-70-8 |
| $ \begin{array}{c} (1:1)(\text{PFHxS-NH}(C_2H_5O)_2) \\ 1-\text{Hexanesulfonic acid, } 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-, compd.} \\ \text{with N,N-diethylethanamine } (1:1)(\text{PFHxS-N}(C_2H_5)_3) \\ \text{Iodonium, bis[} (1,1-\text{dimethylethyl})\text{phenyl}]\text{-, salt with} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonic acid } (1:1) (9\text{CI}) \\ (\text{PFHxS-I}(C_6H_4)_2(C_4H_9)_2) \\ \text{Sulfonium, } (4-\text{methylphenyl})\text{diphenyl-, } 1,1,2,2,3,3,4,4,5,5,6,6,6-\\ \text{tridecafluoro-1-hexanesulfonate } (1:1)(\text{PFHxS-S}(C_6H_5)_2C_7H_7) \\ \text{Sulfonium, } [4-[(2-\text{methyl-1-oxo-2-propen-1-yl})\text{oxy]phenyl}]\text{diphenyl-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6^{\text{7tridecafluoro-1-hexanesulfonate } (1:1) (\text{PFHxS-S}(C_6H_5)_2B_{10}H_9O_2) \\ 1-\text{Hexanesulfonic acid, } 9,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-, cesium } \\ \text{salt } (1:1) (\text{PFHxS-Cs}) (\text{PFHxS-Cs}) \\ \text{Dibenzo[k,n]}[1,4,7,10,13]\text{tetraoxathiacyclopentadecinium, } 19-[4-(1,1-\text{dimethylethyl})\text{phenyl}]-6,7,9,10,12,13-\text{hexahydro-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonate } (1:1) (\text{PFHxS-SC}_{28}H_{31}O_4) \\ \text{Perfluorohexylsulfonyl chloride } (\text{PFHxS-Cl}) \\ \text{Sulfonium, } [4-[(2-\text{methyl-1-oxo-2-propenyl)\text{oxy]phenyl}]\text{diphenyl-, salt with} \\ 911027-69-5 \\ \text{Sulfonium, } [4-[(2-\text{methyl-1-oxo-2-propenyl)\text{oxy}]\text{phenyl}]\text{diphenyl-, salt with} \\ \text{911027-69-5} \\ \text{Sulfonium, } [4-[(2-\text{methyl-1-oxo-2-propenyl)\text{oxy}]\text{phenyl}]\text{diphenyl-, salt with}} \\ \text{911027-69-5} \\ \text{911027-69-6} \\ 911027-69-6$ | (PFHxS-Zn) | 70136-72-0 |
| $ \begin{array}{c} \text{with N,N-diethylethanamine } (1:1)(\text{PFHxS-N}(C_2H_5)_3) \\ \hline \\ \text{lodonium, bis}[(1,1\text{-dimethylethyl})\text{phenyl}]\text{-, salt with} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-1-hexanesulfonic acid } (1:1) \text{ (9CI)} \\ \hline \\ \text{(PFHxS-I}(C_6H_4)_2(C_4H_9)_2) \\ \hline \\ \text{Sulfonium, } (4\text{-methylphenyl})\text{diphenyl-, } 1,1,2,2,3,3,4,4,5,5,6,6,6-\\ \hline \\ \text{tridecafluoro-1-hexanesulfonate } (1:1)(\text{PFHxS-S}(C_6H_5)_2C_7H_7) \\ \hline \\ \text{Sulfonium, } [4\text{-[(2\text{-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,67\text{tridecafluoro-1-hexanesulfonate } (1:1) (\text{PFHxS-S}(C_6H_5)_2B_{10}H_9O_2) \\ \hline \\ \text{1-Hexanesulfonic acid, } 9,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-, cesium } \\ \text{salt } (1:1) (\text{PFHxS-Cs}) (\text{PFHxS-Cs}) \\ \hline \\ \text{Dibenzo[k,n]}[1,4,7,10,13]\text{tetraoxathiacyclopentadecinium, } 19\text{-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13\text{-hexahydro-,}} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-1-hexanesulfonate } (1:1) (\text{PFHxS-S}C_{28}H_{31}O_4) \\ \hline \\ \text{Perfluorohexylsulfonyl chloride } (\text{PFHxS-Cl}) \\ \hline \\ \text{Sulfonium, } [4\text{-[(2\text{-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with} \\ \hline \\ \text{911027-69-5} \\ \hline \end{array}$ | (1:1)(PFHxS-NH(C2H5O)2) | |
| $\begin{array}{c} 1,1,2,2,3,3,4,4,5,5,6,6,6\text{-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)} \\ (PFHxS-I(C_6H_4)_2(C_4H_9)_2) \\ \text{Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-} \\ \text{tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_5)_2C_7H_7)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,67\text{tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_28_{10}H_9O_2)} \\ \text{1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)} \\ \text{Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_{28}H_{31}O_4)} \\ \text{Perfluorohexylsulfonyl chloride (PFHxS-Cl)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with} \\ \text{911027-69-5} \\ \end{array}$ | with N,N-diethylethanamine (1:1)(PFHxS-N(C ₂ H ₅) ₃) | |
| $ \begin{array}{c} \text{tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_{6}H_{5})_{2}C_{7}H_{7})} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,67\text{tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_{6}H_{5})_{2}8_{10}H_{9}O_{2})} \\ \text{1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)} \\ \text{Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_{28}H_{31}O_{4})} \\ \text{Perfluorohexylsulfonyl chloride (PFHxS-Cl)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with} \\ \text{911027-69-5} \\ \end{array}$ | 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂) | |
| $\begin{array}{c} 1,1,2,2,3,3,4,4,5,5,6,6,67 \text{tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)_28_{10}H_9O_2)} \\ 1-\text{Hexanesulfonic acid, } 9,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)} \\ \text{Dibenzo[k,n][1,4,7,10,13]} \text{tetraoxathiacyclopentadecinium, } 19-[4-(1,1-\text{dimethylethyl})\text{phenyl]-6,7,9,10,12,13-hexahydro-,} \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-\text{tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_{28}H_{31}O_4)} \\ \text{Perfluorohexylsulfonyl chloride (PFHxS-Cl)} \\ \text{Sulfonium, } [4-[(2-\text{methyl-1-oxo-2-propenyl})\text{oxy]phenyl]diphenyl-, salt with} \\ 911027-69-5 \\ \end{array}$ | tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C ₆ H ₅) ₂ C ₇ H ₇) | |
| $ \begin{array}{c} \text{salt (1:1) (PFHxS-Cs) (PFHxS-Cs)} \\ \text{Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, \\ 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC_{28}H_{31}O_4) \\ \text{Perfluorohexylsulfonyl chloride (PFHxS-Cl)} \\ \text{Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with} \\ \text{911027-69-5} \\ \end{array} $ | 1,1,2,2,3,3,4,4,5,5,6,6,67tridecafluoro-1-hexanesulfonate (1:1) (PFHxS- | 911027-68-4 |
| dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-SC ₂₈ H ₃₁ O ₄) Perfluorohexylsulfonyl chloride (PFHxS-Cl) Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5 | salt (1:1) (PFHxS-Cs) (PFHxS-Cs) | 92011-17-1 |
| Perfluorohexylsulfonyl chloride (PFHxS-CI) 55591-23-6 Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5 | Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS- | 928049-42-7 |
| Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 911027-69-5 | | 55591-23-6 |
| 1,1,2,2,0,0,4,4,0,0,0,0,0 tildeballable 1 Hoxalleballellie acid (1.1), | | |



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@gs.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 t (86–20) 82155555



Test Report No.: CANEC25014070601 **Date**: Jun 20, 2025 Page 7 of 15

| polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, | |
|---|-------------|
| 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and | |
| tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (PFHxS-Sulfonium, | |
| propenoate polymer) | |
| Perfluorohexane sulfonate (anion) | 108427-53-8 |
| Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P (C ₄ H ₉) ₄)) | 2310194-12- |
| | 6 |
| EtFHxSAA, its salts | |
| Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] | 68957-32-4 |
| (EtFHxSAA) | |
| Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA- | 67584-53-6 |
| (K) | |
| Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA- | 68555-70-4 |
| Na) | |

(4) The conclusion is only applicable to the substance list in the report.

<u>European Regulation POPs (EU) 2020/784 amending to Regulation (EU) 2019/1021 Annex I - Perfluorooctanoic acid (PFOA) and its salts, PFOA-Related Substances, Perfluorooctane sulfonic acid (PFOS) and its derivatives</u>

Test Method: With reference to modified EN 17681-1:2022 and EN 17681-2:2022, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|--|------------|-------|---------|-------|----|
| PFOS, its salts and related compounds | | | | | |
| Perfluorooctane sulfonic acid (PFOS), its salts^ | 1763-23-1 | - | mg/kg | 0.010 | ND |
| N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) | 4151-50-2 | - | mg/kg | 0.010 | ND |
| N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) | 31506-32-8 | - | mg/kg | 0.010 | ND |
| 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) | 1691-99-2 | ı | mg/kg | 0.010 | ND |
| 2-(N-methylperfluoro- 1- octanesulfonamido) -ethanol (N- MeFOSE) | 24448-09-7 | - | mg/kg | 0.010 | ND |
| Perfluorooctane sulfonamide (PFOSA), its salts^ | 754-91-6 | - | mg/kg | 0.010 | ND |
| Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^ | 2806-24-8 | - | mg/kg | 0.010 | ND |
| N-Methylperfluoro-1- octanesulfonamidoacetic Acid (N- MeFOSAA), its salts^ | 2355-31-9 | - | mg/kg | 0.010 | ND |
| N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^ | 2991-50-6 | - | mg/kg | 0.010 | ND |



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@gs.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



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 8 of 15

| | | | | | • |
|---|-------------|-------|-------------|-------|------|
| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
| Sum of Perfluorooctane sulfonic acid | | 1000 | | | ND |
| (PFOS) and its derivatives | - | 1000 | mg/kg | - | ND |
| PFOA, its salts | | • | • | | |
| Perfluorooctanoic acid (PFOA), its salts^ | 335-67-1 | 0.025 | mg/kg | 0.010 | ND |
| PFOA-related compounds | | • | | | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic | 20400 24 4 | | 100 m /1 cm | 0.040 | ND |
| acid (8:2 FTS), its salts^ | 39108-34-4 | 1 | mg/kg | 0.010 | ND |
| Methyl perfluorooctanoate (Me-PFOA) | 376-27-2 | 1 | mg/kg | 0.200 | ND |
| Ethyl perfluorooctanoate (Et-PFOA) | 3108-24-5 | 1 | mg/kg | 0.200 | ND |
| 1H,1H,2H,2H-Perfluorodecyl | 1996-88-9 | 1 | ma/ka | 0.100 | ND |
| methacrylate (8:2 FTMA) | 1990-00-9 | Į. | mg/kg | 0.100 | שוו |
| 1H,1H,2H,2H-Perfluorodecyl acrylate | 27905-45-9 | 1 | ma/ka | 0.100 | ND |
| (8:2 FTA) | 21903-43-9 | Į. | mg/kg | 0.100 | ND |
| Perfluoro-1-iodooctane (PFOI) | 507-63-1 | 1 | mg/kg | 0.200 | ND |
| 2H,2H-Perfluorodecane Acid (8:2 | 27854-31-5 | 1 | ma/ka | 0.010 | ND |
| FTCA), its salts^ | 27004-31-0 | Į. | mg/kg | 0.010 | שוו |
| 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 | 678-39-7 | 1 | mg/kg | 0.100 | ND |
| FTOH) | 010-39-1 | ı | mg/kg | 0.100 | IND |
| 1-lodo-1H,1H,2H,2H-perfluorodecane | 2043-53-0 | 1 | mg/kg | 0.100 | ND |
| (8:2 FTI) | 2043-33-0 | 1 | mg/kg | 0.100 | IND |
| 1H,1H,2H,2H- | | | | | |
| Perfluorodecyltriethoxysilane (8:2 | 101947-16-4 | 1 | mg/kg | 0.100 | ND |
| FTSi(OC ₂ H ₅) ₃) | | | | | |
| bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- | | | | | |
| heptadecafluorodecyl) hydrogen | 678-41-1 | 1 | mg/kg | 0.010 | ND |
| phosphate (8:2 diPAP) , its salts ^ | | | | | |
| 2H,2H,3H,3H-Perfluoroundecanoic Acid | 34598-33-9 | 1 | mg/kg | 0.010 | ND |
| (8:3 FTCA), its salts^ | 0.000 00 0 | • | 9,9 | 0.010 | .,,5 |
| 1H,1H,2H-Heptadecafluoro-1-decene | 21652-58-4 | 1 | mg/kg | 0.100 | ND |
| (PFDE) | | - | | | |
| 3-Perfluoroheptyl propanoic acid (7:3 | 812-70-4 | 1 | mg/kg | 0.010 | ND |
| FTCA) | | - | | | |
| 1H,1H,2H,2H- | 70500 44.0 | | | | |
| Perfluorodecyltrichlorosilane/ | 78560-44-8 | 1 | mg/kg | 0.100 | ND |
| 1H,1H,2H,2H- | /83048-65-1 | | | | |
| Perfluorodecyltrimethoxysilane | | | | | |
| 2H-Perfluoro-2-decenoic acid (8:2 | 70887-84-2 | 1 | mg/kg | 0.010 | ND |
| FTUCA) | | 4 | | | |
| 6:8 Perfluorophosphinic acid (6:8 PFPi) | 610800-34-5 | 11 | mg/kg | 0.010 | ND |
| 8:8 Perfluorophosphinic acid (8:8 PFPi), | 40143-79-1 | 1 | mg/kg | 0.010 | ND |
| its salts^ | | | | | |
| 1H,1H,2H,2H-perfluorodecyl acetate (8:2 | 37858-04-1 | 1 | mg/kg | 0.100 | ND |
| FTOAc) | | | | | |
| 8:2 Fluorotelomer phosphate monoester | 57678-03-2 | 1 | mg/kg | 0.100 | ND |
| (8:2 monoPAP), its salts [^] Sum of PFOA-related compounds | | 1 | | | ND |
| | - | 1 | mg/kg | - | |
| Conclusion | | | | | Pass |

Notes:



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@gs.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



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 9 of 15

(1) ^=Substances refer to its salts/derivative listed in below table.

| Substance Name | CAS No. |
|--|----------------|
| PFOS, its salts & derivatives | |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 |
| Potassium Perfluorooctanesulfonate (PFOS-K) | 2795-39-3 |
| Perfluorooctanesulfonic acid, lithium salt (PFOS-Li) | 29457-72-5 |
| Sodium perfluorooctanesulfonate (PFOS-Na) | 4021-47-0 |
| Ammonium perfluorooctanesulfonate (PFOS-NH ₄) | 29081-56-9 |
| Perfluorooctane sulfonate diethanolamine salt (PFOS- | 70225-14-8 |
| $NH_2(C_2H_4OH)_2$ | 50770 40 0 |
| Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS- $N(C_2H_5)_4$) | 56773-42-3 |
| N-decyl-N,N-dimethyldecan-1-aminium | 251099-16-8 |
| 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-N($C_{10}H_{21}$) ₂ (CH ₃) ₂) | |
| TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄) | 111873-33-7 |
| Perfluorooctane Sulfonyl fluoride (PFOS-F) | 307-35-7 |
| Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg) | 91036-71-4 |
| Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctanesulfonate | 71463-74-6 |
| Perfluorooctanesulfonate | 45298-90-6 |
| Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃) | 54439-46-2 |
| Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄) | 56773-44-5 |
| N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_3H_7) ₃ (C_5H_{11})) | 56773-56-9 |
| N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_4H_9) ₃ (CH_3)) | 124472-68-0 |
| lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) | 213740-80-8 |
| Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate | 258341-99-0 |
| 1-Hexadecylpyridinium perfluoro-1-octanesulfonate | 334529-63-4 |
| N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate | 773895-92-4 |
| Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄)) | 2185049-59-4 |
| Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N) | 2205029-08-7 |
| heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂) | 1203998-97-3 |
| Perfluorooctane sulfonic anhydride (PFOSAN) | 423-92-7 |
| FOSAA, its salts | 1 120 02 1 |
| Perfluorooctane sulfonamidoacetic Acid (FOSAA) | 2806-24-8 |
| N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) | 909405-47-6 |
| N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) | 75260-69-4 |
| N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) | 115716-87-5 |
| N-MeFOSAA, its salts | 1 1101 10-01-0 |
| N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) | 2355-31-9 |
| 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) | 909405-48-7 |



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

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



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 10 of 15

| • | -, |
|--|---------------|
| Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) | 70281-93-5 |
| N-EtFOSAA, its salts | |
| N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) | 2991-50-6 |
| Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt | 2991-51-7 |
| (N-Et-FOSAA-K) | 2001.011 |
| 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et- | 909405-49-8 |
| FOSAA(anion)) | |
| Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et- | 2991-52-8 |
| FOSAA-NH ₄) | 0074 50 0 |
| Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) | 3871-50-9 |
| PFOSA, its salts | |
| Perfluorooctane Sulfonamide (PFOSA) | 754-91-6 |
| Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) | 76752-79-9 |
| Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) | 76752-78-8 |
| Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K) | 76752-70-0 |
| Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄) | 76752-72-2 |
| Heptadecafluorooctane-1-sulphonamide, compound with | 76752-82-4 |
| triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) | |
| PFOA, its salts & derivatives | l |
| Perfluorooctanoic acid (PFOA) | 335-67-1 |
| Sodium perfluorooctanoate (PFOA-Na) | 335-95-5 |
| Potassium perfluorooctanoate (PFOA-K) | 2395-00-8 |
| Silver perfluorooctanote (PFOA-Ag) | 335-93-3 |
| Perfluorooctanoyl fluoride (PFOA-F) | 335-66-0 |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 |
| Lithium perfluorooctanoate (PFOA-Li) | 17125-58-5 |
| Cobalt perfluorooctanoate (PFOA-Co) | 35965-01-6 |
| Cesium perfluorooctanoate (PFOA-Cs) | 17125-60-9 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, | 68141-02-6 |
| chromium(3+) (PFOA-Cr(3+)) | 00141-02-0 |
| Pentadecafluorooctanoic acidpiperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N)) | 423-52-9 |
| Pentadecafluorooctanoate (anion) | 45285-51-6 |
| Perfluorooctanoic Anhydride | 33496-48-9 |
| N,N,N-Triethylethanaminium perfluorooctanoate | 98241-25-9 |
| Perfluorooctanoate N,N,N-Trimethylmethanaminium | 32609-65-7 |
| Tetrapropylammonium perfluorooctanoate | 277749-00-5 |
| Potassium pentadecafluorooctanoatewater (1/1/2) (PFOA- | 98065-31-7 |
| K(H ₂ O) ₂) | |
| Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA- C_2H_7N) | 1376936-03-6 |
| Pentadecafluorooctanoic acidpyridine (1/1) (PFOA- C_5H_5N) | 95658-47-2 |
| pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA- | 1514-68-7 |
| $C_{10}H_{14}N_2$) | 1014 00-7 |
| N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA- | 927835-01-6 |
| $C_{11}H_{26}N$) | 027000-01-0 |
| 8:2 FTS, its salts | l . |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | 39108-34-4 |
| Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K) | 438237-73-1 |
| i otassium im, mi,zm,zm=remuorouemoane sunonate (o.2 F15-K) | 1 +30231-13-1 |



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@gs.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 t (86–20) 82155555



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 11 of 15

| • | • |
|--|--|
| Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS- | 149724-40-3 |
| NH ₄) | |
| Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na) | 27619-96-1 |
| 2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion)) | 481071-78-7 |
| 8:2 FTCA, its salts | |
| 2H,2H-Perfluorodecane Acid (8:2 FTCA) | 27854-31-5 |
| Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA- | 882489-14-7 |
| $P(C_4H_9)_4)$ | |
| 8:2diPAP, its salts | |
| Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) | 678-41-1 |
| hydrogen phosphate (8:2diPAP) | |
| Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na) | 114519-85-6 |
| Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen | 57677-97-1 |
| phosphate | |
| Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP- | 93776-20-6 |
| NH ₄) | |
| 8:2 Fluorotelomer phosphate diester ion (1-) | 1411713-91-1 |
| 8:3 FTCA, its salts | |
| 2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA) | 34598-33-9 |
| Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) | 83310-58-1 |
| 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) | 67304-23-8 |
| 8:8 PFPi, its salts | |
| 8:8 Perfluorophosphinic acid (8:8 PFPi) | 40143-79-1 |
| Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi- | 500776-69-2 |
| Na) | |
| Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er) | 500776-70-5 |
| Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb) | 500776-71-6 |
| 8:2 monoPAP, its salts | • |
| 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) | 57678-03-2 |
| 8:2 Fluorotelomer diammonium phosphate | 93857-44-4 |
| Disodium 1H,1H,2H,2H-perfluorodecylphosphate | 438237-75-3 |
| Ammonium bis[2-(perfluorohexyl)ethyl] phosphate | 1764-95-0 |
| 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium | 92401-44-0 |
| salt | |
| Sodium 1H,1H,2H,2H-perfluorooctylphosphate | 144965-22-0 |
| Monopotassium monoperfluorohexyl ethylphosphate | 150033-28-6 |
| Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate | 2353-52-8 |
| - (L | <u>, , </u> |

(2) The conclusion is only applicable to the substance list in the report.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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.

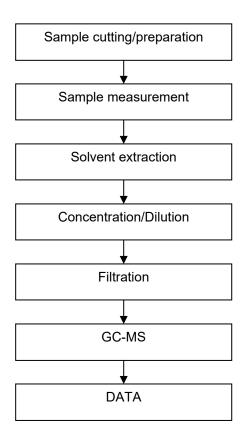
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gs.com

No.198、Kezhu Read, 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



Test Report ATTACHMENTS

HBCDD Testing Flow Chart





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.

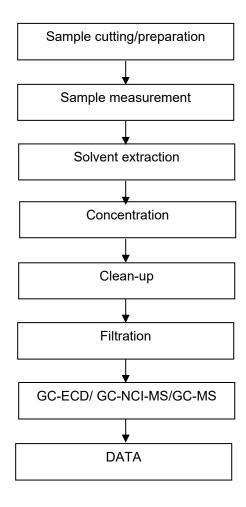
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gs.com

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 v t (86–20) 82155555 s



Test Report
ATTACHMENTS

Chlorinated Paraffin Testing Flow Chart





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@gs.com

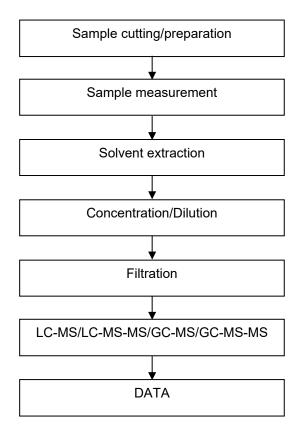
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 t (86–20) 82155555 www.sgsgroup.com.cn sgs.china@sgs.com

Page 13 of 15



Test Report ATTACHMENTS

PFASs/ PFOS/PFOA Testing Flow Chart





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.

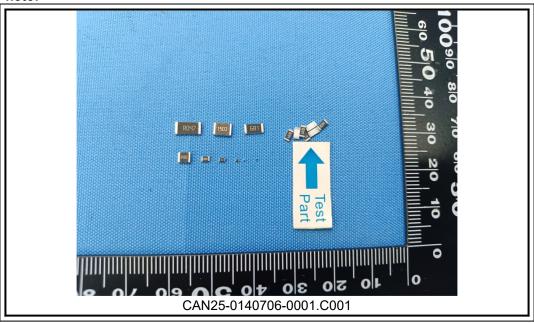
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gs.com

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 t (86–20) 82155555



Test Report No.: CANEC25014070601 **Date:** Jun 20, 2025 Page 15 of 15

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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 lient'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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

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