

Test Report

No.: SHAHL23000068101

Date: Oct 31, 2023

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Client Name: HANWEI ARTIFICIAL GRASS (CHANGZHOU) CO., LTD

Client Address: RONGXIN KEJI PARK, NO. 3 WUJIN AVENUE WEST ROAD, WUJIN, CHANGZHOU, JIANGSU, CHINA

Sample Description: ARTIFICIAL GRASS

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

SGS No.: SHHL2310055491SD

Sample Receiving Date: Oct 26, 2023

Testing Period: Oct 26, 2023 ~ Oct 31, 2023

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

Testing Performed: Follow selected test(s) as requested by client.

| | Test Requirement | Conclusion |
|---|---|-------------|
| 1 | Targeted 221 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content | See Results |

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Helen Liu

Helen Liu
Approved Signatory

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Test Result(s):

Test Part Description:

| SN ID | Sample No. | SGS Sample ID | Description |
|-------|------------|-------------------------|--|
| SN1 | A1 | SHA23-0000681-0001.C001 | Green/dark green/yellow artificial grass |

Remarks:

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

Targeted 221 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content

Test Method: With reference to CEN/TS 15968:2010, analysis was performed by LC-MS or LC-MS/MS and GC-MS.

| Test Item(s) | CAS No. | Unit(s) | MDL | A1 |
|---|------------|---------|-------|----|
| PFOS, its salts and related compounds | | | | |
| Perfluorooctane sulfonates (PFOS) ^{Note (1)} | 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 | mg/kg | 0.010 | ND |
| 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) | 24448-09-7 | mg/kg | 0.010 | ND |
| Perfluorooctane Sulfonamide (PFOSA) ^{Note (25)} | 754-91-6 | mg/kg | 0.010 | ND |
| Sum of Perfluorooctane sulfonates (PFOS) and its derivatives | - | mg/kg | - | ND |
| PFOA, its salts | | | | |
| Perfluorooctanoic acid (PFOA) ^{Note (2)} | 335-67-1 | mg/kg | 0.010 | ND |
| PFOA-related compounds | | | | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) ^{Note (3)} | 39108-34-4 | mg/kg | 0.010 | ND |
| Methyl perfluorooctanoate (Me-PFOA) | 376-27-2 | mg/kg | 0.1 | ND |
| Ethyl perfluorooctanoate (Et-PFOA) | 3108-24-5 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) ^{Note (3)} | 678-39-7 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) ^{Note (3)} | 27905-45-9 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) ^{Note (3)} | 1996-88-9 | mg/kg | 0.1 | ND |
| Perfluoro-1-iodooctane (PFOL) | 507-63-1 | mg/kg | 0.1 | ND |
| 2H,2H-Perfluorodecane Acid (H2PFDA/8:2 FTCA) ^{Note (3), Note (11)} | 27854-31-5 | mg/kg | 0.010 | ND |
| Sum of PFOA-related compounds | - | mg/kg | - | ND |
| C9-C14 PFCA, their salts | | | | |



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| Test Item(s) | CAS No. | Unit(s) | MDL | A1 |
|---|-------------|---------|-------|----|
| Perfluorononane Acid (PFNA) ^{Note (4)} | 375-95-1 | mg/kg | 0.010 | ND |
| Perfluorodecane Acid (PFDA) ^{Note (4)} | 335-76-2 | mg/kg | 0.010 | ND |
| Perfluoroundecanoic Acid (PFUnDA) ^{Note (22)} | 2058-94-8 | mg/kg | 0.010 | ND |
| Perfluorododecanoic Acid (PFDoDA) ^{Note (4)} | 307-55-1 | mg/kg | 0.010 | ND |
| Perfluorotridecanoic Acid (PFTTrDA) ^{Note (24)} | 72629-94-8 | mg/kg | 0.010 | ND |
| Perfluorotetradecanoic Acid (PFTDA) | 376-06-7 | mg/kg | 0.010 | ND |
| Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA) | 172155-07-6 | mg/kg | 0.010 | ND |
| Sum of C9-C14 PFCA, their salts | - | mg/kg | - | ND |
| C9-C14 PFCA-related substances | | | | |
| Perfluorodecane Sulfonate (PFDS) ^{Note (10)} | 335-77-3 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) | 865-86-1 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) | 17741-60-5 | mg/kg | 0.1 | ND |
| 1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) | 2043-53-0 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC ₂ H ₅) ₃) | 101947-16-4 | mg/kg | 0.1 | ND |
| 2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnDA/ 8:3 FTCA) ^{Note (12)} | 34598-33-9 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) | 2144-54-9 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH) | 39239-77-5 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS) | 120226-60-0 | mg/kg | 0.010 | ND |
| 1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI) | 2043-54-1 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) | 30046-31-2 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) ^{Note (3)} | 39108-34-4 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) ^{Note (3)} | 678-39-7 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) ^{Note (3)} | 27905-45-9 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) ^{Note (3)} | 1996-88-9 | mg/kg | 0.1 | ND |
| 2H,2H-Perfluorodecane Acid (H ₂ PFDA/8:2 FTCA) ^{Note (3), Note (11)} | 27854-31-5 | mg/kg | 0.010 | ND |
| Sum of C9-C14-related substances | - | mg/kg | - | ND |
| PFHxS, its salts | | | | |
| Perfluorohexane Sulfonate (PFHxS) ^{Note (7)} | 355-46-4 | mg/kg | 0.010 | ND |
| PFHxS-related compounds | | | | |



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| Test Item(s) | CAS No. | Unit(s) | MDL | A1 |
|---|-------------|---------|-------|----|
| N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA) | 68259-15-4 | mg/kg | 0.010 | ND |
| Perfluorohexane sulfonamide (PFHxSA) | 41997-13-1 | mg/kg | 0.010 | ND |
| N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA) | 50598-28-2 | mg/kg | 0.010 | ND |
| 2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA) | 67584-57-0 | mg/kg | 0.5 | ND |
| Other PFAS | | | | |
| Perfluorobutane Acid (PFBA) ^{Note (13)} | 375-22-4 | mg/kg | 0.010 | ND |
| Perfluorobutane Sulfonate (PFBS) ^{Note (5)} | 375-73-5 | mg/kg | 0.010 | ND |
| 1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC ₃ H ₈ O) | 34454-97-2 | mg/kg | 0.010 | ND |
| Perfluoropentane Acid (PFPeA) ^{Note (17)} | 2706-90-3 | mg/kg | 0.010 | ND |
| Perfluorohexane Acid (PFHxA) ^{Note (6)} | 307-24-4 | mg/kg | 0.010 | ND |
| Perfluoroheptane Acid (PFHpA) ^{Note (14)} | 375-85-9 | mg/kg | 0.010 | ND |
| Perfluoroheptanesulfonic Acid (PFHpS) ^{Note (8)} | 375-92-8 | mg/kg | 0.010 | ND |
| 7H-Dodecanefluoroheptane Acid (7HPFHpA) | 1546-95-8 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS) ^{Note (26)} | 27619-97-2 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) | 17527-29-6 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) | 2043-47-2 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) | 647-42-7 | mg/kg | 0.1 | ND |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA) ^{Note (9)} | 13252-13-6 | mg/kg | 0.010 | ND |
| Perfluorooctane sulfonamidoacetic Acid (FOSAA) | 2806-24-8 | mg/kg | 0.010 | ND |
| N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) | 2355-31-9 | mg/kg | 0.010 | ND |
| N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) | 2991-50-6 | mg/kg | 0.010 | ND |
| Perfluoropentane sulfonic acid (PFPeS) ^{Note (18)} | 2706-91-4 | mg/kg | 0.010 | ND |
| Perfluoro nonane sulfonic acid (PFNS) ^{Note (19)} | 68259-12-1 | mg/kg | 0.010 | ND |
| Perfluoroundecane sulfonic acid (PFUnDS) ^{Note (16)} | 749786-16-1 | mg/kg | 0.010 | ND |
| Perfluorododecanesulfonic acid (PFDoDS) ^{Note (20)} | 79780-39-5 | mg/kg | 0.010 | ND |
| Perfluorotridecane sulfonic acid (PFTrDS) ^{Note (21)} | 791563-89-8 | mg/kg | 0.010 | ND |



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|---|-------------|---------|-------|----|
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | 757124-72-4 | mg/kg | 0.010 | ND |
| 2-Perfluorohexyl ethanoic acid (6:2 FTCA) | 53826-12-3 | mg/kg | 0.010 | ND |
| 3-Perfluoropentyl propanoic acid (5:3 FTCA) | 914637-49-3 | mg/kg | 0.010 | ND |
| Perfluorohexadecanoic Acid (PFHxDA) | 67905-19-5 | mg/kg | 0.010 | ND |
| Perfluorooctadecanoic Acid (PFODA) | 16517-11-6 | mg/kg | 0.010 | ND |
| bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) hydrogen phosphate (8:2diPAP) ^{Note (15)} | 678-41-1 | mg/kg | 0.010 | ND |
| 1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA) | 2144-53-8 | mg/kg | 0.1 | ND |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 919005-14-4 | mg/kg | 0.010 | ND |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 377-73-1 | mg/kg | 0.010 | ND |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 863090-89-5 | mg/kg | 0.010 | ND |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 151772-58-6 | mg/kg | 0.010 | ND |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 756426-58-1 | mg/kg | 0.010 | ND |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 763051-92-9 | mg/kg | 0.010 | ND |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA) | 113507-82-7 | mg/kg | 0.010 | ND |
| 3-Perfluoropropyl propanoic acid (3:3 FTCA) | 356-02-5 | mg/kg | 0.010 | ND |
| 3-Perfluoroheptyl propanoic acid (7:3 FTCA) | 812-70-4 | mg/kg | 0.010 | ND |
| Perfluoropentadecanoic Acid (PFPeDA) | 141074-63-7 | mg/kg | 0.1 | ND |
| 1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA) | 1799-84-4 | mg/kg | 0.1 | ND |
| 2-(N-ethylperfluorooctanesulfamido) ethyl acrylate (EtFOSAC) | 423-82-5 | mg/kg | 0.1 | ND |
| 1H,1H,2H-Heptafluoro-1-decene (PFDE) | 21652-58-4 | mg/kg | 0.1 | ND |
| Perfluorooctyl triethoxysilane (POTS) | 51851-37-7 | mg/kg | 0.1 | ND |
| Perfluorododecyl iodide (PFDoDI) | 307-60-8 | mg/kg | 0.1 | ND |
| Perfluorodecyl iodide (PFDI) | 423-62-1 | mg/kg | 0.1 | ND |
| 11H-Perfluoroundecanoic acid (11H-PFUnda) ^{Note (23)} | 1765-48-6 | mg/kg | 0.1 | ND |

Notes:

- (1) PFOS refer to its salts/derivative including
 - PFOS-K CAS No.: 2795-39-3
 - PFOS-Li CAS No.: 29457-72-5
 - PFOS-Na CAS No.: 4021-47-0
 - PFOS-NH₄ CAS No.: 29081-56-9
 - PFOS-NH₂(C₂H₄OH)₂ CAS No.: 70225-14-8



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|---|----------------------|
| PFOS-N(C ₂ H ₅) ₄ | CAS No.: 56773-42-3 |
| PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂ | CAS No.: 251099-16-8 |
| POSF | CAS No.: 307-35-7 |
| POSF-Mg | CAS No.: 91036-71-4 |
| (2) PFOA refer to its salts/derivative including | |
| PFOA-Na | CAS No.: 335-95-5 |
| PFOA-K | CAS No.: 2395-00-8 |
| PFOA-Ag | CAS No.: 335-93-3 |
| PFOA-F | CAS No.: 335-66-0 |
| APFO | CAS No.: 3825-26-1 |
| PFOA-Li | CAS No.: 17125-58-5 |
| (3) PFAS classified as both PFOA-related compounds and C9-C14 PFCA-related substances. | |
| 8:2 FTS refer to its salts including | |
| 8:2 FTS-K | CAS No.: 438237-73-1 |
| 8:2 FTS-NH ₄ | CAS No.: 149724-40-3 |
| 8:2 FTS-Na | CAS No.: 27619-96-1 |
| (4) PFNA refer to its salts including | |
| PFNA-Na | CAS No.: 21049-39-8 |
| PFNA-NH ₄ | CAS No.: 4149-60-4 |
| PFNA-K | CAS No.: 21049-38-7 |
| PFNA-Li | CAS No.: 60871-92-3 |
| PFNA-Ag | CAS No.: 7358-16-9 |
| PFDA refer to its salts including | |
| PFDA-Na | CAS No. 3830-45-3 |
| PFDA-NH ₄ | CAS No: 3108-42-7 |
| PFDA-K | CAS No: 51604-85-4 |
| PFDA-Ag | CAS No: 5784-82-7 |
| PFDA-Li | CAS No: 84743-32-8 |
| PFDoDA refer to its salts including | |
| PFDoDA-NH ₄ | CAS No: 3793-74-6 |
| PFDoDA-Na | CAS No: 60872-01-7 |
| (5) PFBS refers to its salts/derivative including | |
| PFBS-K | CAS No.: 29420-49-3 |
| PFBS-H ₂ O | CAS No.: 59933-66-3 |
| PFBS-Li | CAS No.: 131651-65-5 |
| TPS-PFBS | CAS No.: 144317-44-2 |
| PFBS-S(CH ₃) ₂ C ₆ H ₅ | CAS No.: 220133-51-7 |
| PFBS-P(C ₄ H ₉) ₄ | CAS No.: 220689-12-3 |
| PFBS-N(C ₂ H ₅) ₄ | CAS No.: 25628-08-4 |
| PFBS-F | CAS No.: 375-72-4 |
| PFBS-NC ₄ H ₉ O | CAS No.: 503155-89-3 |
| PFBS-Mg | CAS No.: 507453-86-3 |
| PFBS-NH ₄ | CAS No.: 68259-10-9 |
| PFBS-SC ₁₈ H ₂₃ O | CAS No.: 209482-18-8 |
| PFBS-Cl | CAS No.: 2991-84-6 |
| PFBS-Na | CAS No.: 60453-92-1 |
| PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂ | CAS No.: 194999-85-4 |
| PFBS-NH(C ₂ H ₅ O) ₂ | CAS No.: 70225-18-2 |
| (6) PFHxA refers to its salt including | |
| APFHx | CAS No.: 21615-47-4 |
| PFHxA-Na | CAS No.: 2923-26-4 |
| PFHxA-K | CAS No.: 3109-94-2 |



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| PFHxA-F | CAS No.: 355-38-4 |
| PFHxA-Ag | CAS No.: 336-02-7 |
| PFHxA-Li | CAS No.: 90430-61-8 |
| (7) PFHxS refers to its salts including | |
| PFHxS-Na | CAS No.: 82382-12-5 |
| PFHxS-K | CAS No.: 3871-99-6 |
| PFHxS-Li | CAS No.: 55120-77-9 |
| PFHxS-NH ₄ | CAS No.: 68259-08-5 |
| PFHxS-BTPP | CAS No.: 1000597-52-3 |
| PFHxS-N(C ₄ H ₉) ₄ | CAS No.: 108427-54-9 |
| PFHxS-N(C ₂ H ₅) ₄ | CAS No.: 108427-55-0 |
| PFHxS-NC ₄ H ₉ | CAS No.: 1187817-57-7 |
| PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄ | CAS No.: 1310480-24-0 |
| PFHxS-(NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂ | CAS No.: 1310480-27-3 |
| PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂ | CAS No.: 1310480-28-4 |
| PFHxS-C ₄₂ H ₇₀ O ₃₅ | CAS No.: 1329995-45-0 |
| PFHxS-C ₄₈ H ₈₀ O ₄₀ | CAS No.: 1329995-69-8 |
| TPS-PFHxS | CAS No.: 144116-10-9 |
| PFHxS-C ₄₄ H ₃₇ N ₂ O ₂ | CAS No.: 1462414-59-0 |
| PFHxS-I(C ₆ H ₅) ₂ | CAS No.: 153443-35-7 |
| PFHxS-TMA | CAS No.: 189274-31-5 |
| PFHxS-NH ₂ (CH ₃) ₃ | CAS No.: 202189-84-2 |
| PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂ | CAS No.: 213740-81-9 |
| PFHxS-Ga | CAS No.: 341035-71-0 |
| PFHxS-S(C ₇ H ₇) ₂ C ₆ H ₅ | CAS No.: 341548-85-4 |
| PFHxS-Sc | CAS No.: 350836-93-0 |
| PFHxS-Nd | CAS No.: 41184-65-0 |
| PFHxS-Y | CAS No.: 41242-12-0 |
| PFHxS-S ₃ (C ₆ H ₅) ₄ (C ₆ H ₄) ₂ | CAS No.: 421555-73-9 |
| PFHxS-I(C ₆ H ₄) ₂ (C ₅ H ₁₁) ₂ | CAS No.: 421555-74-0 |
| PFHxS-F | CAS No.: 423-50-7 |
| PFHxS-S(C ₆ H ₄) ₃ (C ₄ H ₉) ₃ | CAS No.: 425670-70-8 |
| PFHxS-Zn | CAS No.: 70136-72-0 |
| PFHxS-NH(C ₂ H ₅ O) ₂ | CAS No.: 70225-16-0 |
| PFHxS-N(C ₂ H ₅) ₃ | CAS No.: 72033-41-1 |
| PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂ | CAS No.: 866621-50-3 |
| PFHxS-S(C ₆ H ₅) ₂ C ₇ H ₇ | CAS No.: 910606-39-2 |
| PFHxS-S(C ₆ H ₅) ₂ C ₁₀ H ₉ O ₂ | CAS No.: 911027-68-4 |
| PFHxS-Cs | CAS No.: 92011-17-1 |
| PFHxS-SC ₂₈ H ₃₁ O ₄ | CAS No.: 928049-42-7 |
| PFHxS-Cl | CAS No.: 55591-23-6 |
| PFHxS-Sulfonium, propenoate polymer | CAS No.: 911027-69-5 |
| (8) PFHpS refers to its salts including | |
| PFHpS-Na | CAS No.: 21934-50-9 |
| PFHpS-K | CAS No.: 60270-55-5 |
| PFHpS-NH ₄ | CAS No.: 68259-07-4 |
| PFHpS-Li | CAS No.: 117806-54-9 |
| (9) HFPO-DA refers to its salts including | |
| HFPO-DA-NH ₄ | CAS No.: 62037-80-3 |
| HFPO-DA-K | CAS No.: 67118-55-2 |
| HFPO-DA-F | CAS No.: 2062-98-8 |
| (10) PFDS refer to its salts including | |



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| PFDS-Na | CAS No.: 2806-15-7 |
| PFDS-K | CAS No.: 2806-16-8 |
| PFDS-NH ₄ | CAS No.: 67906-42-7 |
| (11)H ₂ PFDA / 8:2 FTCA refer to its salt/derivative including 8:2 FTCA-P(C ₄ H ₉) ₄ | CAS No.: 882489-14-7 |
| (12)H ₄ PFUnDA/ 8:3 FTCA refer to its salts including H ₄ PFUnDA-K | CAS No.: 83310-58-1 |
| (13)PFBA refers to its salts including PFBA-NH ₄ | CAS No.: 10495-86-0 |
| PFBA-Na | CAS No.: 2218-54-4 |
| PFBA-K | CAS No.: 2966-54-3 |
| PFBA-Ag | CAS No.: 3794-64-7 |
| PFBA-Li | CAS No.: 4146-76-3 |
| (14)PFHpA refers to its salts including PFHpA-Na | CAS No.: 20109-59-5 |
| PFHpA-K | CAS No.: 21049-36-5 |
| PFHpA-NH ₄ | CAS No.: 6130-43-4 |
| PFHpA-Cs | CAS No.: 171198-24-6 |
| PFHpA-Ag | CAS No.: 424-05-5 |
| PFHpA-Li | CAS No.: 60871-90-1 |
| (15)8:2diPAP refers to its salts including 8:2diPAP-Na | CAS No.: 114519-85-6 |
| (16)PFUnDS refers to its salts including PFUnDS-Na | CAS No.: 441296-91-9 (anion) |
| (17)PFPeA refers to its salts including PFPeA-Na | CAS No.: 2706-89-0 |
| PFPeA-K | CAS No.: 336-23-2 |
| PFPeA-NH ₄ | CAS No.: 68259-11-0 |
| PFPeA-Li | CAS No.: 198482-22-3 |
| PFPeA-Ag | CAS No.: 2795-30-4 |
| (18)PFPeS refers to its salts including PFPeS-Na | CAS No.: 630402-22-1 |
| PFPeS-K | CAS No.: 3872-25-1 |
| PFPeS-NH ₄ | CAS No.: 68259-09-6 |
| (19)PFNS refers to its salts including PFNS-Na | CAS No.: 98789-57-2 |
| PFNS-NH ₄ | CAS No.: 17202-41-4 |
| PFNS-K | CAS No.: 29359-39-5 |
| (20)PFDoDS refers to its salts including PFDoDS-Na | CAS No.: 1260224-54-1 |
| (21)PFTrDS refers to its salts including PFTrDS-Na | CAS No.: 174675-49-1 |
| (22)PFUnDA refers to its salts including PFUnDA-Na | CAS No.: 60871-96-7 |
| PFUnDA-NH ₄ | CAS No.: 4234-23-5 |
| PFUnDA-K | CAS No.: 30377-53-8 |
| (23)11H-PFUnDA refers to its salts including 11H-PFUnDA-K | CAS No.: 307-71-1 |
| 11H-PFUnDA-NH ₄ | CAS No.: 5081-02-7 |
| (24)PFTrDA refers to its salts including PFTrDA-NH ₄ | CAS No.: 4288-72-6 |
| (25)PFOSA refers to its salts including | |



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| PFOSA-Li | CAS No.: 76752-79-9 |
| (26)6:2 FTS refers to its salts including | |
| 6:2 FTS-Na | CAS No.: 27619-94-9 |
| 6:2 FTS-K | CAS No.: 59587-38-1 |
| 6:2 FTS-NH ₄ | CAS No.: 59587-39-2 |

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