



Test Report

Report No. A225084812610100602

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Company Name BYTERA MEMORY INC

shown on Report

Address 16192 COASTAL HIGHWAY, LEWES, DELAWARE 19958, COUNTY OF SUSSEX

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name NOR FLASH

Sample Received Date Nov. 15, 2025

Testing Period Nov. 15, 2025 to Nov. 24, 2025

Test Conducted:

As requested by the applicant. For details refer to next page(s)



Approved by

Hill Zheng

Date

Dec. 2, 2025

Hill Zheng
Technical Manager

No. R735793108

Centre Testing International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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Executive Summary:

TEST REQUEST

- Client's requirement
- 652 Perfluoroalkyl and polyfluoroalkyl substances (PFAS)

CONCLUSION

See test result(s)

***** For further details, please refer to the following page(s) *****

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Client's requirement

▼ 652 Perfluoroalkyl and polyfluoroalkyl substances (PFAS)

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			006	
-	All tested PFAS (See the list of PFAS)	-	N.D.	-

Remark:

- The table of tested result(s) only shows detected PFAS, and PFAS that below MDL are not reported. Please refer to the List of PFAS on next pages.
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

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List of PFAS

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
1	PFOS and its salts	Perfluorooctane Sulfonates (PFOS)	1763-23-1	0.010
2		Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	--
3		Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	--
4		Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0	--
5		1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-, magnesium salt (2:1) (PFOS-Mg)	91036-71-4	--
6		Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	--
7		Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8	--
8		Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	--
9		Tetrabutylammonium perfluorooctanesulfonate (PFOS-NH(C ₁₆ H ₃₆))	111873-33-7	--
10		Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)	251099-16-8	--
11		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6	--
12		Tetramethylammonium perfluorooctane sulfonate (PFOS-C ₄ H ₁₂ N)	56773-44-5	--
13		Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7	--
14		Triethylammonium perfluorooctane sulfonate (PFOS-C ₆ H ₁₅ N)	54439-46-2	--
15		N,N-Dibutyl-N-methylbutan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C ₁₃ H ₃₀ N)	124472-68-0	--
16		N,N,N-Tripropylpentan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C ₁₄ H ₃₂ N)	56773-56-9	--
17		Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-C ₁₆ H ₃₆ P)	2185049-59-4	--
18		Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3	--
19		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) (PFOS-C ₂₀ H ₂₆ I)	213740-80-8	--
20		Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate (PFOS-C ₂₁ H ₂₁ S)	258341-99-0	--
21		1-Hexadecylpyridinium perfluoro-1-octanesulfonate (PFOS-C ₂₁ H ₃₈ N)	334529-63-4	--
22		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7	--
23		N,N,N-Triethyldecane-1-aminium heptafluorooctane-1-sulfonate (PFOS-C ₁₆ H ₃₆ N)	773895-92-4	--
24		Perfluorooctanesulfonate (PFOS (anion))	45298-90-6	--
25		Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9	--
26	--	Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7	0.010
27	--	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	0.050
28	--	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	0.050
29	--	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	0.050
30	--	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	0.050
31	PFOA and its salts	Perfluorooctanoic acid (PFOA)	335-67-1	0.010
32		Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	--
33		Sodium perfluorooctanoate (PFOA-Na)	335-95-5	--
34		Potassium perfluorooctanoate (PFOA-K)	2395-00-8	--
35		Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	--
36		Silver perfluorooctanoate (PFOA-Ag)	335-93-3	--
37		Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	--
38		Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	--
39		Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	--
40		Chromium(III) perfluorooctanoate (PFOA-Cr)	68141-02-6	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
41		N,N,N-Triethylethanaminium perfluorooctanoate (PFOA-NH(C ₈ H ₁₉))	98241-25-9	--
42		Tetrapropylammonium perfluorooctanoate (PFOA-NH(C ₁₂ H ₂₇))	277749-00-5	--
43		Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C ₄ H ₁₁))	32609-65-7	--
44		Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9	--
45		Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7	--
46		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6	--
47		Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C ₅ H ₅ N)	95658-47-2	--
48		Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7	--
49		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6	--
50		Perfluorooctanoic Anhydride (PFOAA)	33496-48-9	--
51		Pentadecafluorooctanoate (anion) (PFOA (anion))	45285-51-6	--
52		Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8	--
53	--	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.200
54	--	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.200
55	--	Perfluorooctyl iodide (PFOI)	507-63-1	0.200
56	--	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.100
57	8:2 FTS and its salts	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	0.200
58		1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium (8:2 FTS-Na)	27619-96-1	--
59		Potassium 2-(perfluorooctyl)ethane-1-sulfonate (8:2 FTS-K)	438237-73-1	--
60		8:2 Fluorotelomer sulfonate ammonium salt (8:2 FTS-NH ₄)	149724-40-3	--
61		2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS (anion))	481071-78-7	--
62		2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5	--
63	--	1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9	0.200
64	--	2-Propenoic acid,2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 FTMA)	1996-88-9	0.200
65	--	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	0.200
66	--	Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8- heptadecafluoro-10-iodo- (8:2 FTI)	2043-53-0	0.200
67	8:2diPAP and its salts	8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1	0.200
68		Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6	--
69		Ammonium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-NH ₄)	93776-20-6	--
70		Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate (8:2diPAP-C ₄ H ₁₁ NO ₂)	57677-97-1	--
71		8:2 Fluorotelomer phosphate diester ion (1-) (8:2diPAP (anion))	1411713-91-1	--
72	PFOSA and its salts	Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.010
73		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	--
74		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	--
75		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	--
76		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2	--
77		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N)	76752-82-4	--
78	PFHxA and its salts	Perfluorohexanoic acid (PFHxA)	307-24-4	0.010
79		Sodium undecafluorohexanoate (PFHxA-Na)	2923-26-4	--
80		Hexanoic acid, undecafluoro-, potassium salt (PFHxA-K)	3109-94-2	--
81		Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	--
82		Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	--
83		Ammonium perfluorohexanoate (PFHxA-NH ₄)	21615-47-4	--
84		Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	--
85		Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	--

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86		Perfluorohexanoic anhydride (PFHxAA)	308-13-4	--
87		Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8Cl,9Cl) (PFHxA-C ₄ H ₁₀ N ₂)	423-47-2	--
88		Undecafluorohexanoic acid-hexan-1-amine (1/1) (PFHxA-C ₆ H ₁₅ N)	565225-91-4	--
89		1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (PFHxA-C ₁₀ H ₁₄ N ₂)	985-60-4	--
90		Perfluorohexanoate (anion) (PFHxA (anion))	92612-52-7	--
91		Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3	--
92	PFHpA and its salts	Perfluoroheptanoic acid (PFHpA)	375-85-9	0.010
93		Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	--
94		Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	--
95		Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	--
96		Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	--
97		Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	--
98		Ammonium perfluoroheptanoate (PFHpA-NH ₄)	6130-43-4	--
99		Perfluoroheptanoate (anion) (PFHpA (anion))	120885-29-2	--
100		Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7	--
101		Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0	--
102		Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8	--
103	PFBS and its salts	Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.010
104		Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	--
105		Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	--
106		Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	--
107		Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	--
108		Perfluorobutane sulfonic acid hydrate (PFBS-H ₂ O)	59933-66-3	--
109		1-Butanesulfonyl fluoride, 1,1,2,2,3,3,4,4,4-nonafluoro- (PFBSF)	375-72-4	--
110		Nonafluoro-1-butanesulfonyl chloride (PFBSCl)	2991-84-6	--
111		N,N,N-Triethyl-1-[(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)oxy]ethan-1-aminium (PFBS-N(CH ₃ CH ₂) ₄)	25628-08-4	--
112		Ammonium perfluorobutanesulfonate (PFBS-NH ₄)	68259-10-9	--
113		Triphenylsulfonium nonaflate (PFBS-S(C ₆ H ₅) ₃)	144317-44-2	--
114		Dimethyl (phenyl) sulfonium perfluorobutanesulfonate (PFBS-S(CH ₃) ₂ C ₆ H ₅)	220133-51-7	--
115		Tetrabutylphosphorus perfluorobutylsulfonate (PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
116		Morpholinium perfluorobutanesulfonate (PFBS-NC ₄ H ₉ O)	503155-89-3	--
117		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-S(C ₄ H ₈)(C ₁₀ H ₆)OC ₄ H ₉)	209482-18-8	--
118		Bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate (PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	194999-85-4	--
119		1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFBS-NH(C ₂ H ₅ O) ₂)	70225-18-2	--
120		Tetrabutylammonium nonafluorobutanesulfonate (PFBS-N(C ₄ H ₉) ₄)	108427-52-7	--
121		Diphenyliodonium nonafluorobutane-1-sulfonate (PFBS-I(C ₆ H ₅) ₂)	194999-82-1	--
122		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-C ₃₀ H ₃₉ S)	241806-75-7	--
123		Sulfonium, (4-cyclohexylphenyl)diphenyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-C ₂₄ H ₂₅ S)	425670-64-0	--
124		Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-C ₁₃ H ₁₆ NS)	867373-18-0	--
125		Pyridinium, 1-ethyl-3-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-C ₈ H ₁₂ N)	1015420-87-7	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
126		1H-Imidazolium,1-methyl-3-octyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₁₂ H ₂₃ N ₂)	905972-83-0	--
127		1H-Imidazolium,3-hexyl-1-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₁₀ H ₁₉ N ₂)	1001557-05-6	--
128		2-Propanaminium,N,N-dimethyl-N-(1-methylethyl)-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₈ H ₂₀ N)	374571-81-0	--
129		Sulfonium,[4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₂₄ H ₂₅ O ₃ S)	857285-80-4	--
130		1-Butanaminium,N,N-dibutyl-N-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₁₃ H ₃₀ N)	124472-66-8	--
131		1-Butanesulfonic acid,1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	--
132		1-Pentanaminium,N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1) (PFBS-C ₁₄ H ₃₂ N)	56773-55-8	--
133		Perfluorobutanefulfonic acid tetramethylammonium salt (PFBS-N(CH ₃) ₄)	25628-17-5	--
134		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-,1,1'-anhydride (PFBSA)	36913-91-4	--
135		Perfluorobutane sulfonate (anion) (PFBS (anion))	45187-15-3	--
136		Triethylammonium perfluorobutane sulfonate (PFBS-C ₆ H ₁₅ N)	182059-38-7	--
137		N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanefulfonate (1:1) (PFBS-C ₁₂ H ₂₈ NO)	334529-55-4	--
138		1-Hexadecylpyridinium perfluoro-1-butanefulfonate (PFBS-C ₂₁ H ₃₈ N)	334529-62-3	--
139		1-Butylpyridinium perfluoro-1-butanefulfonate (PFBS-C ₉ H ₁₄ N)	334529-64-5	--
140		N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanefulfonate (PFBS-C ₂₅ H ₅₄ N)	495417-51-1	--
141		Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanefulfonic acid (1:1) (PFBS-C ₂₁ H ₂₁ S)	722538-68-3	--
142	PFHxS and its salts	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.010
143		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (PFHxS-Na)	82382-12-5	--
144		Potassium perfluorohexane-1-sulphonate (PFHxS-K)	3871-99-6	--
145		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	--
146		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0	--
147		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI) (PFHxS-Ga)	341035-71-0	--
148		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1) (PFHxS-Sc)	350836-93-0	--
149		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1) (PFHxS-Nd)	41184-65-0	--
150		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1) (PFHxS-Y)	41242-12-0	--
151		Cesium Perfluorohexanesulfonate (PFHxS-Cs)	92011-17-1	--
152		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1) (PFHxS-NH ₄)	68259-08-5	--
153		1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSF)	423-50-7	--
154		1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-sulphonyl chloride (PFHxS-Cl)	55591-23-6	--
155		Perfluorohexylsulfonate (PFHxS (anion))	108427-53-8	--
156		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 ₆ H ₅) ₄ (C ₆ H ₄) ₂)	421555-73-9	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
157		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 ₆ H ₄) ₂ (C ₅ H ₁₁) ₂)	421555-74-0	--
158		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 ₆ H ₄) ₃ (C ₄ H ₉) ₃)	425670-70-8	--
159		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 ₂ H ₅) ₃)	72033-41-1	--
160		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) (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	866621-50-3	--
161		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 ₆ H ₅) ₂ C ₇ H ₇)	910606-39-2	--
162		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 ₆ H ₅) ₂ C ₁₀ H ₉ O ₂)	911027-68-4	--
163		Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate,3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5	--
164		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)	928049-42-7	--
165		Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-P(C ₆ H ₅) ₃ C ₇ H ₇)	1000597-52-3	--
166		1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (PFHxS-N(C ₄ H ₉) ₄)	108427-54-9	--
167		Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-N(C ₂ H ₅) ₄)	108427-55-0	--
168		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	--
169		Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C ₆ H ₅) ₃)	144116-10-9	--
170		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	--
171		Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C ₆ H ₅) ₂)	153443-35-7	--
172		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-N(CH ₃) ₄)	189274-31-5	--
173		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1) (PFHxS-NH ₂ (CH ₃) ₃)	202189-84-2	--
174		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	213740-81-9	--
175		Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C ₇ H ₇) ₂ C ₆ H ₅)	341548-85-4	--
176		Ethanaminium, N-[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) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0	--
177		Methanaminium, N-[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	--

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178		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	--
179		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	--
180		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	--
181		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFHxS-NH(C ₂ H ₅ O) ₂)	70225-16-0	--
182		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C ₄ H ₉) ₄)	2310194-12-6	--
183	PFHpS and its salts	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	0.010
184		Perfluoroheptanesulfonate NA-salt (PFHpS-Na)	21934-50-9	--
185		Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	--
186		Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	--
187		Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4	--
188		Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate (PFHpS-NH(C ₄ H ₁₁))	70225-15-9	--
189		Triethylammonium perfluoroheptane sulfonate (PFHpS-C ₆ H ₁₅ N)	72033-40-0	--
190		Tetraethylammonium perfluoroheptane sulfonate (PFHpS-C ₈ H ₂₀ N)	439863-97-5	--
191		Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1	--
192		Perfluoroheptane sulfonate (anion) (PFHpS (anion))	146689-46-5	--
193		Perfluoroheptanesulphonyl fluoride (PFHpS-F)	335-71-7	--
194		Perfluoroheptanesulfonyl chloride (PFHpS-Cl)	33018-82-5	--
195	PFUnDA and its salts	Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.015
196		Sodium perfluoroundecanoate (PFUnDA-Na)	60871-96-7	--
197		Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	--
198		Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	--
199		Ammonium perfluoroundecanoate (PFUnDA-NH ₄)	4234-23-5	--
200		Perfluoroundecanoate (anion) (PFUnDA (anion))	196859-54-8	--
201	PFDoDA and its salts	Perfluorododecanoic acid (PFDoDA)	307-55-1	0.015
202		Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5	--
203		Ammonium tricosafuorododecanoate (PFDoDA-NH ₄)	3793-74-6	--
204		Perfluorododecanoate (anion) (PFDoDA (anion))	171978-95-3	--
205	PFTrDA and its salts	Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.015
206		Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	--
207		Ammonium perfluorotridecanoate (PFTrDA-NH ₄)	4288-72-6	--
208		Perfluorotridecanoate (anion) (PFTrDA (anion))	862374-87-6	--
209	PFTeDA and its salts	Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.015
210		Perfluorotetradecanoate (anion) (PFTeDA (anion))	365971-87-5	--
211	PFDS and its salts	Henicosafuorodecanesulphonic acid (PFDS)	335-77-3	0.010
212		Perfluorodecanesulfonate NA-salt (PFDS-Na)	126105-34-8	--
213		Perfluorodecanesulfonate K-salt (PFDS-K)	2806-15-7	--
214		Ammonium henicosafuorodecanesulphonate (PFDS-NH ₄)	2806-16-8	--
215		Perfluorodecane sulfonic anhydride (PFDSA)	67906-42-7	--
216		Perfluorodecanesulphonyl fluoride (PFDS-F)	51667-62-0	--
217		Perfluorodecanesulphonyl chloride (PFDS-Cl)	307-51-7	--
218	6:2 FTS and its salts	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid (6:2 FTS)	32779-61-6	--
219		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid sodium salt (6:2 FTS-Na)	27619-97-2	0.010
220		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid potassium salt (6:2 FTS-K)	27619-94-9	--
			59587-38-1	--

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221		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid ammonium salt (6:2 FTS-NH ₄)	59587-39-2	--
222		1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-,barium salt (2:1) (6:2 FTS-Ba ²⁺)	1807944-82-6	--
223		2-(Perfluorohexyl)ethane-1-sulfonate (6:2 FTS (anion))	425670-75-3	--
224		2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2	--
225	PFBA and its salts	Perfluoro-butanoic acid (PFBA)	375-22-4	0.010
226		Sodium heptafluorobutyrate (PFBA-Na)	2218-54-4	--
227		Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	--
228		Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	--
229		Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	--
230		Ammonium perfluorobutanoate (PFBA-NH ₄)	10495-86-0	--
231		Heptafluorobutanoic acid-piperazine (1:1) (PFBA-C ₄ H ₁₀ N ₂)	375-04-2	--
232		Perfluorobutanoate (anion) (PFBA (anion))	45048-62-2	--
233		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-C ₆ H ₄ ClF ₆ N ₂ P)	630-31-9	--
234		Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-C ₁₀ H ₁₄ N ₂)	2263-11-8	--
235		Perfluorobutanoic anhydride (PFBAA)	336-59-4	--
236		Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5	--
237		Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9	--
238		Heptafluorobutyryl Chloride (PFBA-Cl)	375-16-6	--
239		Perfluorobutanoyl fluoride (PFBA-F)	335-42-2	--
240	PFPeA and its salts	Perfluoropentanoic acid (PFPeA)	2706-90-3	0.010
241		Sodium perfluorovalerate (PFPeA-Na)	2706-89-0	--
242		Potassium nonafluoropentanoate (PFPeA-K)	336-23-2	--
243		Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	--
244		Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	--
245		Ammonium perfluoropentanoate (PFPeA-NH ₄)	68259-11-0	--
246		Nonafluoropentanoic acid-1-benzylthiourea (1:1) (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
247		Perfluoropentanoic anhydride (PFPeAA)	308-28-1	--
248		Perfluoropentanoate (anion) (PFPeA (anion))	45167-47-3	--
249		Nonafluoropentanoyl chloride (PFPeA-Cl)	375-60-0	--
250		Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2	--
251	PFNA and its salts	Perfluorononanoic acid (PFNA)	375-95-1	0.010
252		Sodium heptadecafluorononanoate (PFNA-Na)	21049-39-8	--
253		Potassium perfluorononanoate (PFNA-K)	21049-38-7	--
254		Lithium heptadecafluorononanoate (PFNA-Li)	60871-92-3	--
255		Silver perfluorononanoate (PFNA-Ag)	7358-16-9	--
256		Perfluorononanoate ammonium salt (PFNA-NH ₄)	4149-60-4	--
257		Cyclohexanaminium perfluorononanoate (PFNA-NH(C ₆ H ₁₁))	328531-06-2	--
258		Piperidinium perfluorononanoate (PFNA-NH(C ₅ H ₁₁))	95682-66-9	--
259		Methanaminium perfluorononanoate (PFNA-NH ₃ (CH ₃))	77032-23-6	--
260		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) (PFNA-NH ₂ (C ₂ H ₅) ₂)	77032-27-0	--
261		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-NH ₂ (CH ₃) ₂)	77032-24-7	--
262		Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	--
263		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	--

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264		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	--
265		Perfluorononanoic anhydride (PFNAA)	228407-54-3	--
266		Perfluorononanoate (anion) (PFNA (anion))	72007-68-2	--
267		Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1	--
268		Heptadecafluorononanoyl fluoride (PFNA-F)	558-95-2	--
269	PFDA and its salts	Perfluorodecanoic acid (PFDA)	335-76-2	0.010
270		Sodium nonadecafluorodecanoate (PFDA-Na)	3830-45-3	--
271		Potassium perfluorodecanoate (PFDA-K)	51604-85-4	--
272		Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	--
273		Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	--
274		Perfluorodecanoate ammonium salt (APFDA)	3108-42-7	--
275		Perfluorodecanoic anhydride (PFDA)	942199-24-8	--
276		Perfluorodecanoate (anion) (PFDA (anion))	73829-36-4	--
277		Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0	--
278	--	Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	0.015
279	HPFHpA and its salts	7H-Dodecafluoro heptane acid (HPFHpA)	1546-95-8	0.010
280		Sodium 7H-perfluoroheptanoate (HPFHpA-Na)	2264-25-7	--
281		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH ₄)	376-34-1	--
282		7H-Perfluoroheptanoate (HPFHpA (anion))	69681-35-2	--
283		7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0	--
284	--	2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1	--
285	--	2H,2H-Perfluorodecanoate (H ₂ PFDA)	27854-31-5	0.010
286	--	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H ₂ PFDA-P(C ₄ H ₉) ₄)	882489-14-7	0.010
287	H ₄ PFUnA and its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnA)	34598-33-9	0.010
288		Potassium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-K)	83310-58-1	--
289		Lithium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-Li)	67304-23-8	--
290	--	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.400
291	--	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.100
292	--	1H,1H,2H,2H-Perfluoro octyl acrylate (6:2 FTA)	17527-29-6	0.200
293	--	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.100
294	--	1H,1H,2H,2H-Tetrahydroperfluorododecyl acrylate (10:2 FTA)	17741-60-5	0.200
295	HFPO and its salts	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid (HFPO)	13252-13-6	0.010
296		Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate (HFPO-K)	67118-55-2	--
297		Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate (HFPO-Na)	67963-75-1	--
298		Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, ammonium salt (HFPO-NH ₄)	62037-80-3	--
299		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride (HFPO-F)	2062-98-8	--
300		Triethylaminium perfluoro-2-propoxypropanoate (HFPO-(C ₂ H ₅) ₃ N)	165951-18-8	--
301		2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid-N-propylpropan-1-amine(1/1) (HFPO-C ₆ H ₁₅ N)	165951-17-7	--
302		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate (HFPO-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-31-8	--
303		2,3,6-Triiodobenzoic acid (1-methyl-3-piperidiny)methyl ester compd. with perfluoro-2-(propoxy)propanoate (1:1) (HFPO-C ₁₄ H ₁₆ I ₃ NO ₂)	2412106-69-3	--
304		Perfluoro(2-propoxypropanoate) (HFPO (anion))	122499-17-6	--
305		Perfluoro(2-propoxypropionic) acid (HFPO(+))	75579-39-4	--
306		Perfluoro(2-propoxypropionic) acid (HFPO(-))	75579-40-7	--
307	PFODA and its	Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.010

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308	salts	Perfluorooctadecanoate anion (PFODA (anion))	798556-82-8	--
309	PFHxDA and its salts	Perfluoropalmitic acid (PFHxDA)	67905-19-5	0.010
310		Hentriacontafluorohexadecanoate anion (PFHxDA (anion))	1214264-30-8	--
311	--	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMAC)	2144-53-8	0.200
312	N-Me-FOSAA and its salts	N-Methyl perfluorooctanesulfonamidoacetic acid (N-Me-FOSAA)	2355-31-9	0.050
313		Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5	--
314		2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA (anion))	909405-48-7	--
315	N-Et-FOSAA and its salts	N-ethyl-N-[(heptadecafluorooctyl)sulphonyl] glycine (N-Et-FOSAA)	2991-50-6	0.050
316		Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7	--
317		Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9	--
318		Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-NH ₄)	2991-52-8	--
319		2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA (anion))	909405-49-8	--
320	4:2 FTS and its salts	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2 FTS)	757124-72-4	0.200
321		1H,1H,2H,2H-Perfluorohexanesulfonic acid sodium (4:2 FTS-Na)	27619-93-8	--
322		4:2 Fluorotelomer sulfonate (4:2 FTS (anion))	414911-30-1	--
323	10:2 FTS and its salts	1H,1H,2H,2H-Perfluorododecanesulphonicacid (10:2 FTS)	120226-60-0	0.200
324		1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3	--
325		2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6	--
326	11H-PFUnDA and its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.010
327		Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoate (11H-PFUnDA-K)	307-71-1	--
328		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoate (11H-PFUnDA-NH ₄)	5081-02-7	--
329		11H-Perfluoroundecanoate (11H-PFUnDA (anion))	69681-37-4	--
330	--	Perfluorodecyl iodide (PFDI)	423-62-1	0.200
331	--	Perfluorododecyl iodide (PFDol)	307-60-8	0.200
332	--	1H,1H,2H,2H-perfluorododecyl iodide (10:2 FTI)	2043-54-1	0.200
333	--	1H,1H,2H,2H-perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	0.200
334	--	2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	0.200
335	--	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	0.100
336	FOSAA and its salts	Glycine, N-[(heptadecafluorooctyl)sulphonyl]- (FOSAA)	2806-24-8	0.010
337		N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	--
338		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	--
339		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA (anion))	909405-47-6	--
340	PFNS and its salts	Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.010
341		Sodium Perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2	--
342		Perfluorononanesulfonate potassium (PFNS-K)	29359-39-5	--
343		Ammonium perfluorononanesulfonate (PFNS-NH ₄)	17202-41-4	--
344		Perfluorononane sulfonate (anion) (PFNS (anion))	474511-07-4	--
345		Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3	--
346	--	1,1,2,2,3,3,4,4,4-Nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulfonamide (N-Et-N-Me-FBSA)	34454-97-2	0.200
347	--	1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4	0.200
348	PFUnS and its salts	Perfluoroundecane sulfonic acid (PFUnS)	749786-16-1	0.010
349		Sodium perfluoro-1-undecanesulfonate (PFUnS-Na)	-	--
350		Perfluoroundecanesulfonate (PFUnS (anion))	441296-91-9	--
351	PFTTrDS and its	Perfluorotridecanesulfonic acid (PFTTrDS)	791563-89-8	0.010

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
352	salts	Sodium perfluorotridecanesulfonate (PFTrDS-Na)	174675-49-1	--
353	PFPe and its salts	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro- (PFPe)	2706-91-4	0.010
354		Sodium perfluoropentanesulfonate (PFPe-Na)	630402-22-1	--
355		Potassium perfluorohexane-1-sulphonate (PFPe-K)	3872-25-1	--
356		Lithium perfluoropentane sulfonate (PFPe-Li)	1046864-81-6	--
357		Ammonium perfluoropentanesulfonate (PFPe-NH ₄)	68259-09-6	--
358		Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate (PFPe-(CH ₂ CH ₂ OH) ₂ NH)	70225-17-1	--
359		Triethylammonium perfluoropentane sulfonate (PFPe-C ₆ H ₁₅ N)	72033-42-2	--
360		Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	--
361		Perfluoropentane sulfonate (anion) (PFPe (anion))	175905-36-9	--
362	--	1-Hexane-sulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (FHxSA)	41997-13-1	0.010
363	PFDoDS and its salts	Perfluorododecane sulfonic acid (PFDoDS)	79780-39-5	0.010
364		Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1	--
365		Potassium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-pentacosafuorododecane-1-sulphonate (PFDoDS-K)	85187-17-3	--
366		Perfluorododecanesulfonate (PFDoDS (anion))	343629-43-6	--
367	--	Perfluorooctylethyltrichlorosilane (FDTS)	78560-44-8	0.200
368	--	Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1	0.200
369	--	Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (FOTS)	78560-45-9	0.200
370	--	N-methylperfluorohexanesulfonamide (MeFHxSA)	68259-15-4	0.200
371	PFPeDA and its salts	Pentadecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-nonacosafuoro- (PFPeDA)	141074-63-7	0.010
372		Nonacosafuoropentadecanoate (PFPeDA (anion))	1214264-29-5	--
373	--	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	0.010
374	5:3 FTCA and its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.010
375		2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA (anion))	1799325-94-2	--
376	10:2 monoPAPS and its salts	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafuorododecyl dihydrogen phosphate (10:2 monoPAPS)	57678-05-4	0.200
377		10:2 Fluorotelomer diammonium dihydrogen phosphate (10:2 monoPAPS-NH ₄ NH ₄)	93857-45-5	--
378		3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafuorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1	--
379	PFPrA and its salts	Pentafluoropropionate acid (PFPrA)	422-64-0	0.010
380		Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	--
381		Potassium pentafluoropropionate (PFPrA-K)	378-76-7	--
382		Silver Pentafluoropropionate (PFPrA-Ag)	509-09-1	--
383		Ammonium pentafluoropropionate (PFPrA-NH ₄)	2730-58-7	--
384		Perfluoropropanoate (PFPrA(anion))	44864-55-3	--
385		Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-C ₁₀ H ₁₄ N ₂)	893-87-8	--
386		Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-C ₄ H ₁₀ N ₂)	1690-94-4	--
387		Imidazole perfluoropropionic acid salt (PFPrA-C ₃ H ₄ N ₂)	200705-90-4	--
388	--	(Perfluorohexyl)ethylene (PFHE)	25291-17-2	0.200
389	10:2 diPAP and its salts	Bis[2-(perfluorodecyl)ethyl] Phosphate (10:2 diPAP)	1895-26-7	0.200
390		Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C ₄ H ₁₁ O ₂)	57677-98-2	--
391	FBSA and its salts	Perfluorobutylsulphonamide (FBSA)	30334-69-1	0.010
392		Potassium (perfluorobutanesulfonyl)azanide (FBSA-K)	289042-19-9	--
393		Nonafluorobutanesulfonamide ammonia salt (FBSA-NH ₄)	131003-86-6	--

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394	TFA and its salts	Trifluoroacetic Acid (TFA)	76-05-1	0.010
395		Sodium trifluoroacetate (TFA-Na)	2923-18-4	--
396		Potassium trifluoroacetate (TFA-K)	2923-16-2	--
397		Lithium Trifluoroacetate (TFA-Li)	2923-17-3	--
398		Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7	--
399		Cesium Trifluoroacetate (TFA-Cs)	21907-50-6	--
400		Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0	--
401		Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6	--
402		Silver trifluoroacetate (TFA-Ag)	2966-50-9	--
403		Ammoniumtrifluoroacetate (TFA-NH ₄)	3336-58-1	--
404		Trifluoroacetate (TFA(anion))	14477-72-6	--
405		Dimethyl[(trifluoroacetyl)oxy]sulfonium trifluoroacetate (TFA-TFADS)	57738-66-6	--
406		Aluminium tris(trifluoroacetate) (TFA-Al)	36554-89-9	--
407		Barium bis(trifluoroacetate) (TFA-Ba)	60884-92-6	--
408		Chromium(3+) tris(trifluoroacetate) (TFA-Cr)	16712-29-1	--
409		Erbium tris(trifluoroacetate) (TFA-Er)	70236-99-6	--
410		Europium(3+) trifluoroacetate-water (1/3/3) (TFA-Eu 3H ₂ O)	94079-71-7	--
411		Indium trifluoroacetate (TFA-In)	36554-90-2	--
412		Lanthanum tris(trifluoroacetate) (TFA-La)	70236-92-9	--
413		Nickel(2+) bis(trifluoroacetate) (TFA-Ni)	16083-14-0	--
414		Lead(II) trifluoroacetate (TFA-Pb)	4146-73-0	--
415		Acetic acid, trifluoro-, rhodium(2+) salt (TFA-Rh)	72654-51-4	--
416		Thulium tris(trifluoroacetate) (TFA-Tm)	70237-00-2	--
417		AGN-PC-0NI0TK (TFA-Yb)	87863-62-5	--
418		Zinc bis(trifluoroacetate) (TFA-Zn)	21907-47-1	--
419		Ruthenium(II) 2,2,2-trifluoroacetate (TFA-Ru)	61612-84-8	--
420		Magnesium trifluoroacetate (TFA-Mg)	123333-72-2	--
421		Copper (II) Trifluoroacetate (TFA-Cu)	123333-88-0	--
422	--	2,2,3,3,4,4,4-heptafluorobutyramide (FBAA)	662-50-0	0.050
423	--	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	0.010
424	--	Perfluoro-4-methoxybutanoic acid (PFMOBA)	863090-89-5	0.010
425	8:2 monoPAPS and its salts	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl dihydrogen phosphate (8:2 monoPAPS)	57678-03-2	0.200
426		Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAPS-Na)	92678-93-8	--
427		Disodium 1H,1H,2H,2H-perfluorodecylphosphate (8:2 monoPAPS-Na ₂)	438237-75-3	--
428		8:2 Fluorotelomer diammonium phosphate (8:2 monoPAPS-NH ₄ NH ₄)	93857-44-4	--
429	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.010
430	--	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)	70887-88-6	0.010
431	11Cl-PF3OUdS and its salts	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	0.010
432		Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS-K)	83329-89-9	--
433		2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonate (11Cl-PF3OUdS (anion))	2196242-82-5	--
434	33FTA and its salts	2H,2H,3H,3H-perfluorohexanoic acid (33FTA)	356-02-5	0.010
435		Sodium 3-(perfluoropropyl)propanoate (33FTA-Na)	1207462-13-2	--
436		3:3 Fluorotelomer carboxylate, ion(1-) (33FTA (anion))	1169706-83-5	--
437	ADONA and its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.010
438		Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	--

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439		Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	--
440		Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH ₄)	958445-44-8	--
441		2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7	--
442	--	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.010
443	PFEEESA and its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	0.010
444		Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonate (PFEEESA-K)	117205-07-9	--
445		Sodium 1,1,2,2-tetrafluoro-2-(1,1,2,2-pentafluoroethoxy)ethanesulfonate (PFEEESA-Na)	113507-87-2	--
446	9Cl-PF3ONS and its salts	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	0.010
447		Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS-K)	73606-19-6	--
448		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF3ONS-NH ₄)	1383434-28-3	--
449		Perfluoro(2-[(6-chlorohexyl)oxy]ethanesulfonate) (9Cl-PF3ONS (anion))	1621485-21-9	--
450	PFMPA and its salts	2,2,3,3-tetrafluoro-3-(trifluoromethoxy)propanoic acid (PFMPA)	377-73-1	0.010
451		Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4	--
452	--	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	0.010
453	--	Perfluoro-3,6-dioxaheptanoic acid (PF-3,6-DOHA)	151772-58-6	0.010
454	--	2H,2H-Perfluorododecanoic acid (10:2 FTCA)	53826-13-4	0.010
455	--	3-(Perfluorohexyl)propan-1-ol (6:3 FTOH)	80806-68-4	0.200
456	--	Methyl Perfluoroamyl Ketone (5:2 ketone)	2708-07-8	0.200
457	--	Perfluorotributylamine (PFTBA)	311-89-7	0.200
458	--	Trimethyl(tridecafluorohexyl)silane (TMPFHSI)	135841-49-5	0.200
459	--	2,2,3,3,4,4,4-heptafluoro-1-butanol (PFBOH)	375-01-9	0.200
460	--	1H,1H-Tridecafluoro-1-iodoheptane (PFIH)	212563-43-4	0.200
461	--	1H,1H,2H,2H-perfluorooctyltriethoxysilane (PFOTOSI)	51851-37-7	0.200
462	--	Ethyl Undecafluoroamyl Ketone (EtPFPK)	383177-55-7	0.200
463	--	1-Bromoperfluorohexane (PFHBr)	335-56-8	0.200
464	--	1H,1H,2H,2H-Perfluorooctyl iodide (PFIO)	2043-57-4	0.200
465	--	N-(4,4,5,5,6,6,7,7,8,8,9,9-Tridecafluorononyl)iodoacetamide (N-PFNIeTA)	852527-50-5	0.200
466	--	Perfluorooctane (PFOct)	307-34-6	0.200
467	--	Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (TMTFSI)	85857-16-5	0.200
468	--	2,2,3,3,4,4,5,5,6,6,6-undecafluorohexan-1-ol (5:1 FTOH)	423-46-1	0.200
469	--	3-Perfluorohexyl-1,2-epoxypropane (3-PFH-1,2-HPPO)	38565-52-5	0.200
470	--	1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-(trifluoromethyl)pentane (HFE-7300)	132182-92-4	0.200
471	--	Alcohols, C8-14, gamma-omega-perfluoro (C8-14-PFetOH)	68391-08-2	0.200
472	--	Tridecafluoroheptanamide (TPFHpa)	2358-22-7	0.200
473	--	1-(Perfluorohexyl)-2-iodopropane (PFNI)	38550-34-4	0.200
474	--	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl thiocyanate (PFHTH)	26650-09-9	0.200
475	--	4,4,5,5,6,6,7,7,8,8,9,9-Tridecafluorononyl iodide (TFNI)	89889-20-3	0.200
476	--	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-thiol (PFOctSOH)	34451-26-8	0.200
477	--	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (PFODMeCLSI)	102488-47-1	0.200
478	--	Triethoxy[5,5,6,6,7,7,7-heptafluoro-4,4-bis(trifluoromethyl)heptyl]silane (EtPFMHepSI)	130676-81-2	0.200
479	--	3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol (5:2sFTOH)	914637-05-1	0.200
480	--	1H,1H-Perfluoro-1-heptanol (PFHepOH)	375-82-6	0.200

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481	--	4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl alcohol (4-PFOBA)	356055-76-0	0.200
482	--	1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1	0.200
483	--	Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butaneulfonyl)imide (BIS-PFBSI)	39847-39-7	0.010
484	--	Carboxymethylmethyl-3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide (6:2 FTAB)	34455-29-3	0.010
485	--	N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide (N-diPTFOP-N-oxide)	80475-32-7	0.010
486	--	2,2-difluoro-2-(trifluoromethoxy)acetic acid (PFMOAA)	674-13-5	0.010
487	--	Bis[2-[N-ethyl(heptadecafluorooctanesulphonyl)amino]ethyl]hydrogen phosphate (EtFOSEdiPAPs)	2965-52-8	0.050
488	--	2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.010
489	Cheminox FHP 2OH(PFHEPA) and its salts	Perfluorohexyl ethylphosphonic acid (Cheminox FHP 2OH(PFHEPA))	252237-40-4	0.010
490		Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP 2OH-Na(PFHEPA-Na))	1189052-95-6	--
491	6:2monoPAPs and its salts	1-Octanol,3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-,1-(dihydrogen phosphate) (6:2monoPAPs)	57678-01-0	0.010
492		Sodium 1H,1H,2H,2H-Perfluorooctylphosphate (6:2monoPAPs-Na)	144965-22-0	--
493		Monopotassium monopерfluorohexyl ethylphosphate (6:2monoPAPs-K)	150033-28-6	--
494		Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate (6:2monoPAPs-NH ₄)	2353-52-8	--
495		3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt (6:2monoPAPs-NH ₄ (-))	92401-44-0	--
496		Diammonium 6:2 fluorotelomer phosphate monoester (6:2monoPAPs-NH ₄ NH ₄)	1000852-37-8	--
497	--	Perfluoro-3,6-dioxaoctanoic acid (PF-3,6-DOOA)	80153-82-8	0.010
498	--	Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (PFESA BP1)	29311-67-9	0.010
499	--	7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (PFESA BP2)	749836-20-2	0.010
500	--	trans-1,2-Bis(perfluorohexyl)ethylene ((7E)-BIS-PFHE)	51249-67-3	0.200
501	--	1H-Perfluorooct-1-yne (PF-n-HA)	55756-24-6	0.200
502	--	1-(Perfluorohexyl)octane (MIEBO)	133331-77-8	0.200
503	--	(Perfluoro-n-hexyl)ethane (TFHE)	80793-17-5	0.200
504	--	1H,1H-Perfluorohexylamine (UFHA)	355-34-0	0.200
505	--	1H,1H-Perfluoroheptylamine (TFHA)	423-49-4	0.200
506	--	Perfluoro-1-iodohexane (PFHI)	355-43-1	0.200
507	--	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (N-AP-FHxSA)	50598-28-2	0.010
508	--	(N-Methylperfluorohexanesulfonamido)ethyl acrylate (N-MeFHxSA-EA)	67584-57-0	0.200
509	6:6 PFPi and its salts	Bis(tridecafluorohexyl)phosphinic acid (6:6 PFPi)	40143-77-9	0.010
510		Sodium bis(perfluorohexyl)phosphinate (6:6 PFPi-Na)	70609-44-8	--
511		Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7	--
512		Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8	--
513	TFMS and its salts	Trifluoromethanesulfonic acid (TFMS)	1493-13-6	0.010
514		Sodium trifluoromethanesulfonate (TFMS-Na)	2926-30-9	--
515		Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	--
516		Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2	--
517		Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	--
518		Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	--
519		Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	--
520		Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	--
521		Stannous(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	--
522		Nickel(II) trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	--
523		Cerium(III) trifluoromethanesulfonate (TFMS-Ce ³⁺)	76089-77-5	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
524		Cerium(IV) trifluoromethanesulfonate (TFMS-Ce ⁴⁺)	107792-63-2	--
525		Zinc(II) trifluoromethanesulphonate (TFMS-Zn)	54010-75-2	--
526		Barium(II) trifluoromethanesulphonate (TFMS-Ba)	2794-60-7	--
527		Copper(II) trifluoromethanesulphonate (TFMS-Cu)	34946-82-2	--
528		Scandium(III) trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	--
529		Trifluoromethanesulfonic anhydride (TFMSA)	358-23-6	--
530		Lanthanum tris(trifluoromethanesulfonate) (TFMS-La)	52093-26-2	--
531		Mercury(II) trifluoromethanesulfonate (TFMS-Hg)	49540-00-3	--
532		Dysprosium(III) trifluoromethanesulfonate (TFMS-Dy)	139177-62-1	--
533		Ytterbium(3+) tris(trifluoromethanesulfonate) (TFMS-Yb)	54761-04-5	--
534		Trifluoromethanesulfonic acid-manganese (2/1) (TFMS-Mn)	55120-76-8	--
535		Lutetium(III) trifluoromethanesulfonate (TFMS-Lu)	126857-69-0	--
536		Terbium(III) trifluoromethanesulfonate (TFMS-Tb)	148980-31-8	--
537		Pentafluoroanilinium trifluoromethanesulfonate (TFMS-C ₆ H ₂ F ₅ N)	912823-79-1	--
538		Neodymium(III) trifluoromethanesulfonate (TFMS-Nd)	34622-08-7	--
539		Samarium(III) trifluoromethanesulfonate (TFMS-Sm)	52093-28-4	--
540		Ammonium trifluoromethanesulfonate (TFMS-NH ₄)	38542-94-8	--
541		Holmium tris(trifluoromethanesulfonate) (TFMS-Ho)	139177-63-2	--
542		Trifluoromethanesulfonate (TFMS (anion))	37181-39-8	--
543		Indium(III) trifluoromethanesulfonate (TFMS-In)	128008-30-0	--
544		Praseodymium(III) trifluoromethanesulfonate (TFMS-Pr)	52093-27-3	--
545		Bismuth(III) trifluoromethanesulfonate (TFMS-Bi)	88189-03-1	--
546		Europium trifluoromethanesulfonate (TFMS-Eu)	52093-25-1	--
547		Erbium(III) trifluoromethanesulfonate (TFMS-Er)	139177-64-3	--
548		Gallium(III) trifluoromethanesulfonate (TFMS-Ga)	74974-60-0	--
549		Thulium(III) trifluoromethanesulfonate (TFMS-Tm)	141478-68-4	--
550		Methanesulfonic acid, trifluoro-, calcium salt (TFMS-Ca)	55120-75-7	--
551		AG-G-90691 (TFMS-Tl)	73491-36-8	--
552		1-Fluoro-3,5-dichloropyridinium triflate (TFMS-C ₅ H ₃ Cl ₂ FN)	107264-06-2	--
553		N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate (TFMS-C ₂₉ H ₃₃ N ₂ O ₃)	120611-30-5	--
554		Methyltriocetylammmonium trifluoromethanesulfonate (TFMS-C ₂₅ H ₅₄ N)	121107-18-4	--
555		O-Pivaloylhydroxylamine trifluoromethanesulfonate (TFMS-C ₅ H ₁₁ NO ₂)	1293990-73-4	--
556		Guanidine trifluoromethanesulfonic acid (TFMS-CH ₅ N ₃)	153756-25-3	--
557		Diphenylammmonium Trifluoromethanesulfonate (TFMS-C ₆ H ₅ NHC ₆ H ₅)	164411-06-7	--
558		Imidazole trifluoromethanesulfonate (TFMS-C ₃ H ₄ N ₂)	29727-06-8	--
559		Tetraethylammmonium trifluoromethanesulfonate (TFMS-C ₈ H ₂₀ N)	35895-69-3	--
560		Tetrabutylammmonium trifluoromethanesulfonate (TFMS-C ₁₆ H ₃₆ N)	35895-70-6	--
561		N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate (TFMS-C ₈ H ₁₇ F ₃ N)	380230-73-9	--
562		Trifluoromethanesulfonic acid-1-ethyl-1H-imidazole (1/1) (TFMS-C ₅ H ₈ N ₂)	501693-46-5	--
563		Triethylamine salt of trifluoromethanesulfonic acid (TFMS-(C ₂ H ₅) ₃ N)	646-58-2	--
564		Trifluoroacetyl trifluoromethanesulfonate (TFMS-C ₂ F ₃ O)	68602-57-3	--
565		Triphenylphosphonium anhydride triflate (TFMS-C ₃₆ H ₃₀ OP ₂ (2+))	72450-51-2	--
566		Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3) (TFMS-Ru 2H ₂ O 4NH ₂)	74468-24-9	--
567		Pentaammine(trifluoromethanesulfonato)osmium(III) triflate (TFMS-Os 5NH ₃)	83781-30-0	--
568		(2-Pyridylmethyl)sulfonyl chloride triflate (TFMS-C ₆ H ₆ ClNO ₂ S)	882564-09-2	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
569		Trifluoromethanesulfonyl bromide (TFMS-Br)	15458-53-4	--
570		Trifluoromethanesulfonyl chloride (TFMS-Cl)	421-83-0	--
571		Hafnium (IV) Trifluoromethanesulfonate (TFMS-Hf)	161337-67-3	--
572	TFSI and its salts	1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (TFSI)	82113-65-3	0.010
573		Bistrifluoromethanesulfonimide lithium salt (TFSI-Li)	90076-65-6	--
574		1-Butyl-1-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide (TFSI-C ₉ H ₂₀ N)	223437-11-4	--
575		Bis(trifluoromethylsulfonyl)azanide, tributyl(methyl)ammonium (TFSI-C ₁₃ H ₃₀ N)	405514-94-5	--
576		1-Decyl-3-Methylimidazolium Bis(Trifluoromethylsulfonyl)imide (TFSI-C ₁₄ H ₂₇ N ₂)	433337-23-6	--
577		1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide (TFSI-C ₈ H ₁₅ N ₂)	169051-76-7	--
578		1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide (TFSI-C ₆ H ₁₁ N ₂)	174899-82-2	--
579		1-Ethyl-2,3-dimethylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-C ₇ H ₁₃ N ₂)	174899-90-2	--
580		1-Methyl-3-n-octylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-C ₁₂ H ₂₃ N ₂)	178631-04-4	--
581		1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid (TFSI-C ₆ H ₁₀ N ₂ O)	2060047-56-3	--
582		1-Methyl-3-propylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-C ₇ H ₁₃ N ₂)	216299-72-8	--
583		1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide (TFSI-C ₇ H ₁₆ N)	223436-99-5	--
584		1-Methyl-1-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide (TFSI-C ₈ H ₁₈ N)	223437-05-6	--
585		Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide (TFSI-C ₇ H ₁₈ N)	258273-75-5	--
586		1-Methylimidazole bis(trifluoromethanesulfonyl)imide (TFSI-C ₄ H ₇ N ₂)	353239-08-4	--
587		1-Dodecyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-C ₁₆ H ₃₁ N ₂)	404001-48-5	--
588		1-Methyl-1-propylpiperidin-1-ium bis(trifluoromethylsulfonyl)amide (TFSI-C ₉ H ₂₀ N)	608140-12-1	--
589		1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide (TFSI-C ₁₀ H ₂₂ N)	623580-02-9	--
590		Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide (TFSI-C ₅ H ₁₃ S)	792188-85-3	--
591		Choline bis(trifluoromethylsulfonyl)imide (TFSI-C ₅ H ₁₄ NO)	827027-25-8	--
592		Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2	--
593		Barium(II) Bis(trifluoromethanesulfonyl)imide (TFSI-Ba(II))	168106-22-7	--
594		1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyl)trifluoromethanesulfo namido)calcio) methanesulfonamide (TFSI-Ca(II))	165324-09-4	--
595		Cobalt bis(trifluoromethylsulfonyl)imide (TFSI-Co(II))	207861-61-8	--
596		Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0	--
597		Copper(II) bis(trifluoromethanesulfonyl)imide (TFSI-Cu(II))	162715-14-2	--
598		Copper(II) trifluoromethanesulfonimide xhydrate (TFSI-Cu(II) H ₂ O)	1334406-76-6	--
599		(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO)methanesulfonamidato-kappaO)iron (TFSI-Fe)	207861-59-4	--
600		Bis(trifluoromethylsulfonyl)azanide;mercury(2+) (TFSI-Hg(II))	104715-41-5	--
601		Potassium bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8	--
602		Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1	--

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No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
603		Manganese(II) bis(trifluoromethanesulfonyl)imide (TFSI-Mn(II))	207861-55-0	--
604		Nickel bis(trifluoromethylsulfonyl)imide (TFSI-Ni(II))	207861-63-0	--
605		Strontium bis(trifluoromethylsulfonyl)imide (TFSI-Sr(II))	862121-57-1	--
606		Tris[bis(trifluoromethylsulfonyl)amino] ytterbium (TFSI-Yb)	175438-43-4	--
607		Zinc(II) bis(trifluoromethanesulfonyl)imide (TFSI-Zn(II))	168106-25-0	--
608	6:2diPAPS and its salts	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) hydrogen phosphate (6:2diPAPS)	57677-95-9	0.010
609		Sodium bis[2-(perfluorohexyl)ethyl] phosphate (6:2diPAPS-Na)	407582-79-0	--
610		Ammonium bis[2-(perfluorohexyl)ethyl] phosphate (6:2diPAPS-NH ₄)	1764-95-0	--
611		Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-) (6:2diPAPS(Anion))	667465-18-1	--
612	8:8 PFPi and its salts	Bis(heptadecafluorooctyl)phosphinic acid (8:8 PFPi)	40143-79-1	0.010
613		Sodium bis(perfluorooctyl)phosphinate (8:8 PFPi-Na)	500776-69-2	--
614		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5	--
615		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6	--
616	EtFHxSAA and its salts	N-Ethyl-N-((tridecafluorohexyl)sulfonyl)glycine (EtFHxSAA)	68957-32-4	0.010
617		Potassium N-ethyl-N-(perfluorohexylsulphonyl)glycinate (EtFHxSAA-K)	67584-53-6	--
618		Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	--
619	HFPO-TA and its salts	Perfluoro-2,5-dimethyl-3,6-dioxananoic acid (HFPO-TA)	13252-14-7	0.100
620		Potassium perfluoro(2-(2-propoxypropoxy)propanoate) (HFPO-TA-K)	67118-57-4	--
621		Perfluoro-2,5-dimethyl-3,6-dioxananoic acid, sodium salt (HFPO-TA-Na)	67963-76-2	--
622		2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid-ammonia (HFPO-TA-NH ₃)	13043-05-5	--
623		Hexafluoropropene oxide trimer (HFPO-TA-F)	2641-34-1	--
624		Methanaminium perfluoro-2-(2-propoxypropoxy)propanoate (HFPO-TA-CH ₃ NH ₂)	328065-29-8	--
625		2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid-N-methylmethanamine (1/1) (HFPO-TA-(CH ₃) ₂ NH)	328065-54-9	--
626		Triethylaminium perfluoro-2-(2-propoxypropoxy)propanoate (HFPO-TA-(C ₂ H ₅) ₃ N)	165951-19-9	--
627	PFETs and its salts	Perfluoroethanesulfonic acid (PFETs)	354-88-1	0.010
628		Potassium pentafluoroethane-1-sulfonate (PFETs-K)	2837-92-5	--
629		Pentafluoroethanesulfonate (PFETs(anion))	108410-37-3	--
630	PFOPA and its salts	(Perfluorooctyl)phosphonic acid (PFOPA)	40143-78-0	0.010
631		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (PFOPA-C ₆ H ₉ NO)	1263361-03-0	--
632	--	N-ethyltridecafluoro-N-(2-hydroxyethyl)hexanesulphonamide (Et-FHxSE)	34455-03-3	0.100
633	--	1H,1H,2H,2H-Perfluorododecyl acetate (10:2FTOAc)	37858-05-2	0.200
634	--	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.200
635	--	2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate (EtFOSAC)	423-82-5	0.200
636	--	7:2 sFluorotelomer alcohol (7:2sFTOH)	24015-83-6	0.200
637	--	1H,1H,2H,2H-Perfluorohexyl iodide (4:2 FTI)	2043-55-2	0.200
638	--	1H,1H-Perfluorooctylamine (7:1 FTNH ₂)	307-29-9	0.200
639	--	2-(Perfluorobutyl) Ethyl Acrylate (4:2 FTA)	52591-27-2	0.200
640	--	N-(Methyl)nonafluorobutanesulfonamide (MeFBSA)	68298-12-4	0.200
641	6:8 PFPi and its salts	Perfluorohexylperfluorooctyl phosphinic acid (6:8 PFPi)	610800-34-5	0.010
642		Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6	--
643	--	2-(Methyl((tridecafluorohexyl)sulphonyl)amino)ethyl methacrylate (N-MeFHxSA-EE)	67584-61-6	0.100

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644	--	2-(Ethyl((tridecafluorohexyl)sulphonyl)amino)ethyl methacrylate (N-EtFHxSA-EE)	67906-70-1	0.100
645	PFPrS and its salts	Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.010
646		Sodium perfluoro-1-propanesulfonate (PFPrS-Na)	359868-82-9	--
647		Potassium heptafluoropropanesulfonate (PFPrS-K)	40365-23-9	--
648		Perfluoropropane sulfonate (PFPrS(anion))	110676-15-8	--
649	BPAF and its salts	Bisphenol AF (BPAF)	1478-61-1	0.050
650		Benzyltriphenylphosphonium 4-[1,1,1,3,3,3- hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzene-1-olate (BPAF-C ₂₅ H ₂₂ P)	75768-65-9	--
651		Benzyl(diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate (BPAF-C ₂₃ H ₂₇ NP)	577705-90-9	--
652	--	Tridecafluoro-N-(2-hydroxyethyl)-N-methyl-1-hexanesulfonamide (MeFHxSE)	68555-75-9	0.100

Sample/Part Description

No.	CTI Sample ID	Description
1	006	Black plastic with brown printing

Note:

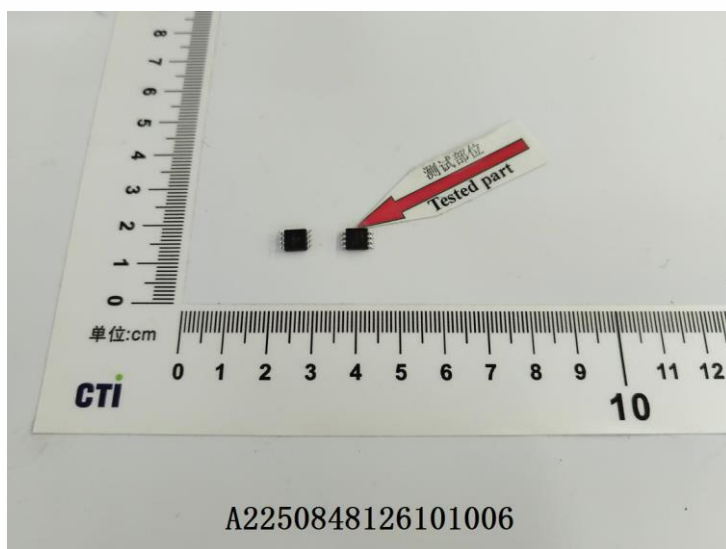
- According to the client's statement, the Company Name shown on Report in this report and the Company Name shown on Report in the report A2250848126101006 are the Group-subsidary relations, the test result(s) of this report is/are presented in reference to the result(s) that reported in A2250848126101006.

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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
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*** End of Report ***

Appendix

Client Reference Information

Attachment:

Applicable Part Number Are Listed As Below:

Part Number Structure	B	<u>XX</u>	<u>X</u>	<u>X</u>	<u>XX</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
“ <u>XX</u> ” or “ <u>X</u> ” Available Codes		25	Q	E	05	A	V	S	I	G
		29G	D	S	10	B	U	T	J	P
			B	N	20		W	O	A	E
			FQ		40			V	3	X
			T		80			F	2	
			X		16			L	1	
					32			M	0	
					64			U		
					128			X		
					256			K		
					M512			I		
					M1G			J		
					M2G			D		
								Q		
								C		
								CA		
								CB		
								CC		
								CD		
								CE		
								G		
								P		
								N		
								H		
								W		
								E		
								Y		
								B		
								R		
								A		
								Z		

Applicable Package Type:

SOP8 208mil/SOP8 150mil/TSSOP8 173mil/VSOP8 208mil/SOP16 300mil/TSOP56/TSSOP56/

USON(DFN)8 2*3/USON(DFN)8 3*3/USON(DFN)8 4*4/USON(DFN)8 4*3/WSON(DFN)8 5*6/WSON(DFN)8 6*8/

USON(DFN)8 1.5*1.5/USON(DFN)6 0.7*1.0/USON(DFN)6 0.7*1.2/USON(DFN)6 0.72*1.0/USON(DFN)6 1.2*1.2/

LGA 2*3-8L/LGA 0.7*1.2-0.45/LGA 0.85*1.2-6L/LGA 6*8/LGA4*3/LGA4.3*4.3/WLCSP/TFBGA-24 6*8

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A225084812610100602.

