

Test Report



Report No. A224064706010600101

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Company Name DONGGUAN YONGSHENG SPORTS GOODS CO., LTD.

shown on Report

Address 388# LIAODONG ROAD, LIAOBU TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA

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

Sample Name	EVA
Sample Received Date	Nov. 22, 2024
Testing Period	Nov. 22, 2024 to Nov. 26, 2024

Test Conducted:

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



Approved by

Hill Zheng

Date

Jan.17, 2025

Hill Zheng
Technical Manager

No. S573441793

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
- 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**▼ Perfluoroalkyl and polyfluoroalkyl substances (PFAS)**

Test Method: EN 17681-1:2022&EN 17681-2:2022; Test Equipment: LC-MS-MS & GC-MS

No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			001	
1	Perfluorooctane Sulfonates (PFOS)	1763-23-1	N.D.	0.010
2	Perfluorooctanesulfonic acid, potassium salt (PFOS-K)*	2795-39-3	N.D.	0.020
3	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)*	29457-72-5	N.D.	0.010
4	Sodium perfluorooctane sulfonate (PFOS-Na)*	4021-47-0	N.D.	0.010
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	N.D.	0.020
6	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)*	29081-56-9	N.D.	0.010
7	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)*	70225-14-8	N.D.	0.020
8	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)*	56773-42-3	N.D.	0.020
9	Tetrabutylammonium perfluorooctanesulfonate (PFOS-NH(C ₁₆ H ₃₆))*	111873-33-7	N.D.	0.015
10	Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)*	251099-16-8	N.D.	0.020
11	Perfluoro-1-octanesulfonyl fluoride (PFOSF)*	307-35-7	N.D.	0.010
12	Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate*	71463-74-6	N.D.	0.020
13	Tetramethylammonium perfluorooctane sulfonate (PFOS-C ₄ H ₁₂ N)*	56773-44-5	N.D.	0.010
14	Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)*	2205029-08-7	N.D.	0.010
15	Triethylammonium perfluorooctane sulfonate (PFOS-C ₆ H ₁₅ N)*	54439-46-2	N.D.	0.010
16	N,N-Dibutyl-N-methylbutan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C ₁₃ H ₃₀ N)*	124472-68-0	N.D.	0.015
17	N,N,N-Tripropylpentan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C ₁₄ H ₃₂ N)*	56773-56-9	N.D.	0.015
18	Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-C ₁₆ H ₃₆ P)*	2185049-59-4	N.D.	0.015
19	Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)*	1203998-97-3	N.D.	0.015
20	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) (PFOS-C ₂₀ H ₂₆ I)*	213740-80-8	N.D.	0.020
21	Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate (PFOS-C ₂₁ H ₂₁ S)*	258341-99-0	N.D.	0.020
22	1-Hexadecylpyridinium perfluoro-1-octanesulfonate (PFOS-C ₂₁ H ₃₈ N)*	334529-63-4	N.D.	0.020
23	Perfluorooctane sulfonic anhydride (PFOSAN)*	423-92-7	N.D.	0.020

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			001	
24	N,N,N-Triethyldecyl-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₆ H ₃₆ N)*	773895-92-4	N.D.	0.020
25	Perfluorooctanesulfonate (PFOS (anion))*	45298-90-6	N.D.	0.010
26	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	N.D.	0.050
27	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	N.D.	0.050
28	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	N.D.	0.050
29	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	N.D.	0.050
30	Perfluorooctanoic acid (PFOA)	335-67-1	N.D.	0.010
31	Ammonium pentadecafluorooctanoate (APFO)*	3825-26-1	N.D.	0.010
32	Sodium perfluorooctanoate (PFOA-Na)*	335-95-5	N.D.	0.020
33	Potassium perfluorooctanoate (PFOA-K)*	2395-00-8	N.D.	0.020
34	Lithium perfluorooctanoate (PFOA-Li)*	17125-58-5	N.D.	0.010
35	Silver perfluorooctanoate (PFOA-Ag)*	335-93-3	N.D.	0.020
36	Perfluorooctanoyl fluoride (PFOA-F)*	335-66-0	N.D.	0.010
37	Cesium perfluorooctanoate (PFOA-Cs)*	17125-60-9	N.D.	0.020
38	Cobalt perfluorooctanoate (PFOA-Co)*	35965-01-6	N.D.	0.025
39	Chromium(III) perfluorooctanoate (PFOA-Cr)*	68141-02-6	N.D.	0.025
40	N,N,N-Triethylethanaminium perfluorooctanoate (PFOA-NH(C ₂ H ₅))*	98241-25-9	N.D.	0.015
41	Tetrapropylammonium perfluorooctanoate (PFOA-NH(C ₃ H ₇))*	277749-00-5	N.D.	0.015
42	Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C ₄ H ₁₁))*	32609-65-7	N.D.	0.015
43	Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))*	423-52-9	N.D.	0.015
44	Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K(H ₂ O) ₂)*	98065-31-7	N.D.	0.010
45	Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)*	1376936-03-6	N.D.	0.010
46	Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C ₅ H ₅ N)*	95658-47-2	N.D.	0.010
47	Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)*	1514-68-7	N.D.	0.015
48	N,N,N-Trimethyloctyl-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)*	927835-01-6	N.D.	0.015
49	Perfluorooctanoic Anhydride (PFOAA)*	33496-48-9	N.D.	0.020
50	Pentadecafluorooctanoate (anion) (PFOA (anion))*	45285-51-6	N.D.	0.010
51	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.	0.010
52	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.	0.010
53	Perfluorooctyl iodide (PFOI)	507-63-1	N.D.	0.200
54	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.	0.200
55	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	N.D.	0.200
56	1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium (8:2 FTS-Na)*	27619-96-1	N.D.	0.200

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
57	Potassium 2-(perfluorooctyl)ethane-1-sulfonate (8:2 FTS-K)*	438237-73-1	N.D.	0.200
58	8:2 Fluorotelomer sulfonate ammonium salt (8:2 FTS-NH ₄)*	149724-40-3	N.D.	0.200
59	2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS (anion))*	481071-78-7	N.D.	0.200
60	1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9	N.D.	0.200
61	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	N.D.	0.200
62	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	N.D.	0.200
63	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	N.D.	0.200
64	8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1	N.D.	0.200
65	Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)*	114519-85-6	N.D.	0.200
66	Ammonium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-NH ₄)*	93776-20-6	N.D.	0.200
67	Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate (8:2diPAP-C ₄ H ₁₁ NO ₂)*	57677-97-1	N.D.	0.200
68	8:2 Fluorotelomer phosphate diester ion (1-)(8:2diPAP (anion))*	1411713-91-1	N.D.	0.200
69	Perfluorooctanesulfonamide (PFOSA)	754-91-6	N.D.	0.010
70	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)*	76752-79-9	N.D.	0.010
71	Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)*	76752-78-8	N.D.	0.010
72	Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)*	76752-70-0	N.D.	0.010
73	Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)*	76752-72-2	N.D.	0.010
74	Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N)*	76752-82-4	N.D.	0.010
75	Perfluorohexanoic acid (PFHxA)	307-24-4	N.D.	0.010
76	Sodium undecafluorohexanoate (PFHxA-Na)*	2923-26-4	N.D.	0.020
77	Hexanoic acid, undecafluoro-, potassium salt (PFHxA-K)*	3109-94-2	N.D.	0.020
78	Lithium perfluorohexanoate (PFHxA-Li)*	90430-61-8	N.D.	0.010
79	Silver perfluorohexanoate (PFHxA-Ag)*	336-02-7	N.D.	0.020
80	Ammonium perfluorohexanoate (PFHxA-NH ₄)*	21615-47-4	N.D.	0.020
81	Perfluorohexanoyl fluoride (PFHxA-F)*	355-38-4	N.D.	0.010
82	Perfluorohexanoyl chloride (PFHxA-Cl)*	335-53-5	N.D.	0.010
83	Methyl perfluorohexanoate (APFHxA)*	424-18-0	N.D.	0.010
84	Perfluorohexanoic anhydride (PFHxAA)*	308-13-4	N.D.	0.020
85	Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI) (PFHxA-C ₄ H ₁₀ N ₂)*	423-47-2	N.D.	0.010
86	Undecafluorohexanoic acid-hexan-1-amine (1/1) (PFHxA-C ₆ H ₁₅ N)*	565225-91-4	N.D.	0.010

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
87	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	N.D.	0.015
88	Perfluorohexanoate (anion) (PFHxA (anion))*	92612-52-7	N.D.	0.010
89	Perfluoroheptanoic acid (PFHpA)	375-85-9	N.D.	0.010
90	Sodium perfluoroheptanoate (PFHpA-Na)*	20109-59-5	N.D.	0.020
91	Potassium perfluoroheptanoate (PFHpA-K)*	21049-36-5	N.D.	0.020
92	Lithium perfluoroheptanoate (PFHpA-Li)*	60871-90-1	N.D.	0.010
93	Silver perfluoroheptanoate (PFHpA-Ag)*	424-05-5	N.D.	0.020
94	Cesium perfluoroheptanoate (PFHpA-Cs)*	171198-24-6	N.D.	0.020
95	Ammonium perfluoroheptanoate (PFHpA-NH ₄)*	6130-43-4	N.D.	0.010
96	Perfluoroheptanoate (anion) (PFHpA (anion))*	120885-29-2	N.D.	0.010
97	Perfluorobutane sulfonic acid (PFBS)	375-73-5	N.D.	0.010
98	Sodium perfluorobutanesulfonate (PFBS-Na)*	60453-92-1	N.D.	0.020
99	Perfluorobutanesulfonate K-salt (PFBS-K)*	29420-49-3	N.D.	0.020
100	Lithium perfluorobutanesulfonate (PFBS-Li)*	131651-65-5	N.D.	0.010
101	Magnesium perfluorobutanesulfonate (PFBS-Mg)*	507453-86-3	N.D.	0.025
102	Perfluorobutane sulfonic acid hydrate (PFBS-H ₂ O)*	59933-66-3	N.D.	0.020
103	1-Butanesulfonyl fluoride, 1,1,2,2,3,3,4,4,4-nonafluoro-(PFBSF)*	375-72-4	N.D.	0.010
104	Nonafluoro-1-butan sulfonyl chloride (PFBS-Cl)*	2991-84-6	N.D.	0.020
105	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	N.D.	0.020
106	Ammonium perfluorobutanesulfonate (PFBS-NH ₄)*	68259-10-9	N.D.	0.020
107	Triphenylsulfonium nonaflate (PFBS-S(C ₆ H ₅) ₃)*	144317-44-2	N.D.	0.020
108	Dimethyl (phenyl) sulfonium perfluorobutanesulfonate (PFBS-S(CH ₃) ₂ C ₆ H ₅)*	220133-51-7	N.D.	0.020
109	Tetrabutylphosphorus perfluorobutylsulfonate (PFBS-P(C ₄ H ₉) ₄)*	220689-12-3	N.D.	0.020
110	Morpholinium perfluorobutanesulfonate (PFBS-NC ₄ H ₉ O)*	503155-89-3	N.D.	0.020
111	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	N.D.	0.020
112	Bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate (PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)*	194999-85-4	N.D.	0.020
113	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	N.D.	0.020
114	Tetrabutylammonium nonafluorobutanesulfonate (PFBS-N(C ₄ H ₉) ₄)*	108427-52-7	N.D.	0.020
115	Diphenyliodonium nonafluorobutane-1-sulfonate (PFBS-I(C ₆ H ₅) ₂)*	194999-82-1	N.D.	0.020
116	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butan sulfonyl (1:1) (PFBS-C ₃₀ H ₃₉ S)*	241806-75-7	N.D.	0.020
117	Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butan sulfonyl (1:1) (PFBS-C ₂₄ H ₂₅ S)*	425670-64-0	N.D.	0.020

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			001	(mg/kg)
118	Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₁₃ H ₁₆ NS)*	867373-18-0	N.D.	0.020
119	Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₈ H ₁₂ N)*	1015420-87-7	N.D.	0.020
120	1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₁₂ H ₂₃ N ₂)*	905972-83-0	N.D.	0.020
121	1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₁₀ H ₁₉ N ₂)*	1001557-05-6	N.D.	0.020
122	2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₈ H ₂₀ N)*	374571-81-0	N.D.	0.020
123	Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₂₄ H ₂₅ O ₃ S)*	857285-80-4	N.D.	0.020
124	1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₁₃ H ₃₀ N)*	124472-66-8	N.D.	0.020
125	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)*	502457-69-4	N.D.	0.020
126	1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluoride (1:1) (PFBS-C ₁₄ H ₃₂ N)*	56773-55-8	N.D.	0.020
127	Perfluorobutanefluoride tetramethylammonium salt (PFBS-N(CH ₃) ₄)*	25628-17-5	N.D.	0.010
128	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride (PFBSA)*	36913-91-4	N.D.	0.020
129	Perfluorobutane sulfonate (anion) (PFBS (anion))*	45187-15-3	N.D.	0.010
130	Triethylammonium perfluorobutane sulfonate (PFBS-C ₆ H ₁₅ N)*	182059-38-7	N.D.	0.020
131	N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanefluoride (1:1) (PFBS-C ₁₂ H ₂₈ NO)*	334529-55-4	N.D.	0.020
132	1-Hexadecylpyridinium perfluoro-1-butanefluoride (PFBS-C ₂₁ H ₃₈ N)*	334529-62-3	N.D.	0.020
133	1-Butylpyridinium perfluoro-1-butanefluoride (PFBS-C ₉ H ₁₄ N)*	334529-64-5	N.D.	0.020
134	N-Methyl-N,N-diethyl-1-octanaminium perfluoro-1-butanefluoride (PFBS-C ₂₅ H ₅₄ N)*	495417-51-1	N.D.	0.020
135	Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanefluoride (1:1) (PFBS-C ₂₁ H ₂₁ S)*	722538-68-3	N.D.	0.020
136	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	N.D.	0.010
137	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (PFHxS-Na)*	82382-12-5	N.D.	0.020
138	Potassium perfluorohexane-1-sulphonate (PFHxS-K)*	3871-99-6	N.D.	0.020
139	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	N.D.	0.010
140	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)*	70136-72-0	N.D.	0.025

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			001	(mg/kg)
141	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	N.D.	0.010
142	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	N.D.	0.010
143	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	N.D.	0.010
144	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	N.D.	0.010
145	Cesium Perfluorohexanesulfonate (PFHxS-Cs)*	92011-17-1	N.D.	0.020
146	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	N.D.	0.010
147	1-Hexanesulfonyl fluoride,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSF)*	423-50-7	N.D.	0.010
148	1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-sulphonyl chloride (PFHxS-Cl)*	55591-23-6	N.D.	0.020
149	Perfluorohexylsulfonate (PFHxS(anion))*	108427-53-8	N.D.	0.010
150	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	N.D.	0.020
151	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	N.D.	0.020
152	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	N.D.	0.020
153	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	N.D.	0.020
154	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	N.D.	0.020
155	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	N.D.	0.020
156	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	N.D.	0.020
157	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	N.D.	0.020

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
158	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	N.D.	0.020
159	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	N.D.	0.020
160	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	N.D.	0.020
161	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	N.D.	0.020
162	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	N.D.	0.020
163	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	N.D.	0.020
164	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	N.D.	0.020
165	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	N.D.	0.020
166	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	N.D.	0.020
167	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	N.D.	0.020
168	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	N.D.	0.020
169	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	N.D.	0.020
170	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) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)*	1310480-24-0	N.D.	0.020

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			001	(mg/kg)
171	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	N.D.	0.020
172	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	N.D.	0.020
173	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	N.D.	0.020
174	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	N.D.	0.020
175	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFHxS-NH(C ₂ H ₅ O) ₂)*	70225-16-0	N.D.	0.020
176	Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C ₄ H ₉) ₄)*	2310194-12-6	N.D.	0.020
177	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	N.D.	0.010
178	Perfluoroheptanesulfonate NA-salt (PFHpS-Na)*	21934-50-9	N.D.	0.010
179	Potassium Perfluoroheptanesulfonate (PFHpS-K)*	60270-55-5	N.D.	0.020
180	Lithium perfluoroheptanesulfonate (PFHpS-Li)*	117806-54-9	N.D.	0.010
181	Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)*	68259-07-4	N.D.	0.010
182	Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate (PFHpS-NH(C ₄ H ₁₁))*	70225-15-9	N.D.	0.010
183	Triethylammonium perfluoroheptane sulfonate (PFHpS-C ₆ H ₁₅ N)*	72033-40-0	N.D.	0.010
184	Tetraethylammonium perfluoroheptane sulfonate (PFHpS-C ₈ H ₂₀ N)*	439863-97-5	N.D.	0.010
185	Perfluoroheptane sulfonic anhydride (PFHpSA)*	140429-92-1	N.D.	0.020
186	Perfluoroheptane sulfonate (anion) (PFHpS (anion))*	146689-46-5	N.D.	0.010
187	Perfluoroundecanoic acid (PFUnDA)	2058-94-8	N.D.	0.010
188	Sodium perfluoroundecanoate (PFUnDA-Na)*	60871-96-7	N.D.	0.010
189	Potassium perfluoroundecanoate (PFUnDA-K)*	30377-53-8	N.D.	0.020
190	Calcium perfluoroundecanoate (PFUnDA-Ca)*	97163-17-2	N.D.	0.025
191	Ammonium perfluoroundecanoate (PFUnDA-NH ₄)*	4234-23-5	N.D.	0.010
192	Perfluoroundecanoate (anion) (PFUnDA (anion))*	196859-54-8	N.D.	0.010
193	Perfluorododecanoic acid (PFDoDA)	307-55-1	N.D.	0.010
194	Ammonium tricosafuorododecanoate (PFDoDA-NH ₄)*	3793-74-6	N.D.	0.010
195	Perfluorododecanoate (anion) (PFDoDA (anion))*	171978-95-3	N.D.	0.010
196	Perfluorotridecanoic acid (PFTrDA)	72629-94-8	N.D.	0.010
197	Sodium perfluorotridecanoate (PFTrDA-Na)*	60872-01-7	N.D.	0.010
198	Ammonium perfluorotridecanoate (PFTrDA-NH ₄)*	4288-72-6	N.D.	0.010
199	Perfluorotridecanoate (anion) (PFTrDA (anion))*	862374-87-6	N.D.	0.010
200	Perfluorotetradecanoic acid (PFTeDA)	376-06-7	N.D.	0.010

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			001	(mg/kg)
201	Perfluorotetradecanoate (anion) (PF _{Te} DA (anion))*	365971-87-5	N.D.	0.010
202	Henicosafuorodecanesulphonic acid (PFDS)	335-77-3 126105-34-8	N.D.	0.010
203	Perfluorodecanesulfonate NA-salt (PFDS-Na)*	2806-15-7	N.D.	0.010
204	Perfluorodecanesulfonate K-salt (PFDS-K)*	2806-16-8	N.D.	0.020
205	Ammonium henicosafuorodecanesulphonate (PFDS-NH ₄)*	67906-42-7	N.D.	0.010
206	Perfluorodecane sulfonic anhydride (PFDSA)*	51667-62-0	N.D.	0.020
207	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid (6:2 FTS)	27619-97-2	N.D.	0.010
208	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid sodium salt (6:2 FTS-Na)*	27619-94-9	N.D.	0.010
209	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid potassium salt (6:2 FTS-K)*	59587-38-1	N.D.	0.010
210	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid ammonium salt (6:2 FTS-NH ₄)*	59587-39-2	N.D.	0.010
211	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	N.D.	0.020
212	2-(Perfluorohexyl)ethane-1-sulfonate (6:2 FTS (anion))*	425670-75-3	N.D.	0.010
213	Perfluoro-butanoic acid (PFBA)	375-22-4	N.D.	0.010
214	Sodium heptafluorobutyrate (PFBA-Na)*	2218-54-4	N.D.	0.020
215	Potassium heptafluorobutanoate (PFBA-K)*	2966-54-3	N.D.	0.020
216	Lithium perfluorobutanoate (PFBA-Li)*	4146-76-3	N.D.	0.010
217	Silver perfluorobutanoate (PFBA-Ag)*	3794-64-7	N.D.	0.020
218	Ammonium perfluorobutanoate (PFBA-NH ₄)*	10495-86-0	N.D.	0.020
219	Heptafluorobutanoic acid-piperazine (1:1) (PFBA-C ₄ H ₁₀ N ₂)*	375-04-2	N.D.	0.020
220	Perfluorobutanoate (anion) (PFBA (anion))*	45048-62-2	N.D.	0.010
221	Perfluoropentanoic acid (PFPeA)	2706-90-3	N.D.	0.010
222	Sodium perfluorovalerate (PFPeA-Na)*	2706-89-0	N.D.	0.020
223	Potassium nonafluoropentanoate (PFPeA-K)*	336-23-2	N.D.	0.020
224	Lithium perfluoropentanoate (PFPeA-Li)*	198482-22-3	N.D.	0.010
225	Silver perfluoropentanoate (PFPeA-Ag)*	2795-30-4	N.D.	0.020
226	Ammonium perfluoropentanoate (PFPeA-NH ₄)*	68259-11-0	N.D.	0.020
227	Nonafluoropentanoic acid-1-benzylthiourea (1:1) (PFPeA-C ₈ H ₁₀ N ₂ S)*	64808-55-5	N.D.	0.020
228	Perfluoropentanoic anhydride (PFPeAA)*	308-28-1	N.D.	0.020
229	Perfluoropentanoate (anion) (PFPeA (anion))*	45167-47-3	N.D.	0.010
230	Perfluorononanoic acid (PFNA)	375-95-1	N.D.	0.010
231	Sodium heptafluorononanoate (PFNA-Na)*	21049-39-8	N.D.	0.010
232	Potassium perfluorononanoate (PFNA-K)*	21049-38-7	N.D.	0.020
233	Lithium heptafluorononanoate (PFNA-Li)*	60871-92-3	N.D.	0.010
234	Silver perfluorononanoate (PFNA-Ag)*	7358-16-9	N.D.	0.020
235	Perfluorononanoate ammounium salt (PFNA-NH ₄)*	4149-60-4	N.D.	0.010
236	Cyclohexanaminium perfluorononanoate (PFNA-NH(C ₆ H ₁₂))*	328531-06-2	N.D.	0.010
237	Piperidinium perfluorononanoate (PFNA-NH(C ₅ H ₁₁))*	95682-66-9	N.D.	0.010

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			001	(mg/kg)
238	Methanaminium perfluorononanoate (PFNA-NH ₃ (CH ₃))*	77032-23-6	N.D.	0.010
239	Nonanoic acid,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluoro-,compd. with N-ethylethanamine (1:1) (PFNA-NH ₂ (C ₂ H ₅) ₂)*	77032-27-0	N.D.	0.010
240	Nonanoic acid,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluoro-,compd. with N-methylmethanamine (1:1) (PFNA-NH ₂ (CH ₃) ₂)*	77032-24-7	N.D.	0.010
241	Nonanoic acid, heptafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)*	327176-80-7	N.D.	0.010
242	Nonanoic acid,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluoro-, compd. with benzenamine (1:1) (PFNA-NH ₃ (C ₆ H ₅))*	95682-67-0	N.D.	0.010
243	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptafluorononanoate (PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)*	298703-33-0	N.D.	0.010
244	Perfluorononanoic anhydride (PFNAA)*	228407-54-3	N.D.	0.020
245	Perfluorononanoate (anion) (PFNA (anion))*	72007-68-2	N.D.	0.010
246	Perfluorodecanoic acid (PFDA)	335-76-2	N.D.	0.010
247	Sodium nonadecafluorodecanoate (PFDA-Na)*	3830-45-3	N.D.	0.010
248	Potassium perfluorodecanoate (PFDA-K)*	51604-85-4	N.D.	0.020
249	Lithium perfluorodecanoate (PFDA-Li)*	84743-32-8	N.D.	0.010
250	Silver perfluorodecanoate (PFDA-Ag)*	5784-82-7	N.D.	0.020
251	Perfluorodecanoate ammonium salt (APFDA)*	3108-42-7	N.D.	0.010
252	Perfluorodecanoic anhydride (PFDA)*	942199-24-8	N.D.	0.020
253	Perfluorodecanoate (anion) (PFDA (anion))*	73829-36-4	N.D.	0.010
254	Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	N.D.	0.010
255	7H-Dodecafluoro heptane acid (HPFHpA)	1546-95-8	N.D.	0.010
256	Sodium 7H-perfluoroheptanoate (HPFHpA-Na)*	2264-25-7	N.D.	0.020
257	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH ₄)*	376-34-1	N.D.	0.010
258	7H-Perfluoroheptanoate (HPFHpA (anion))*	69681-35-2	N.D.	0.010
259	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H ₂ PFDA-P(C ₄ H ₉) ₄)	882489-14-7	N.D.	0.010
260	2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnA)	34598-33-9	N.D.	0.010
261	Potassium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-K)*	83310-58-1	N.D.	0.020
262	Lithium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-Li)*	67304-23-8	N.D.	0.010
263	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	N.D.	0.200
264	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	N.D.	0.200
265	1H,1H,2H,2H-Perfluoro octyl acrylate (6:2 FTA)	17527-29-6	N.D.	0.200
266	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	N.D.	0.200
267	1H,1H,2H,2H-Tetrahydroperfluorododecyl acrylate (10:2 FTA)	17741-60-5	N.D.	0.200
268	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid (HFPO)	13252-13-6	N.D.	0.050
269	Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionate (HFPO-K)*	67118-55-2	N.D.	0.060

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			001	(mg/kg)
270	Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate (HFPO-Na)*	67963-75-1	N.D.	0.050
271	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, ammonium salt (HFPO-NH ₄)*	62037-80-3	N.D.	0.060
272	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride (HFPO-F)*	2062-98-8	N.D.	0.050
273	Triethylammonium perfluoro-2-propoxypropanoate (HFPO-(C ₂ H ₅) ₃ N)*	165951-18-8	N.D.	0.070
274	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid-N-propylpropan-1-amine (1/1) (HFPO-C ₆ H ₁₅ N)*	165951-17-7	N.D.	0.070
275	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	N.D.	0.100
276	2,3,6-Triiodobenzoic acid (1-methyl-3-piperidinyl)methyl ester compd. with perfluoro-2-(propoxy)propanoate (1:1) (HFPO-C ₁₄ H ₁₆ I ₃ NO ₂)*	2412106-69-3	N.D.	0.150
277	Perfluoro(2-propoxypropanoate) (HFPO (anion))*	122499-17-6	N.D.	0.050
278	(+)-Perfluoro(2-propoxypropionic) acid (HFPO(+))*	75579-39-4	N.D.	0.050
279	(-)-Perfluoro(2-propoxypropionic) acid (HFPO(-))*	75579-40-7	N.D.	0.050
280	Perfluorooctadecanoic acid (PFODA)	16517-11-6	N.D.	0.010
281	Perfluorooctadecanoate anion (PFODA (anion))*	798556-82-8	N.D.	0.010
282	Perfluoropalmitic acid (PFHxDA)	67905-19-5	N.D.	0.010
283	Hentriacontafluorohexadecanoate anion (PFHxDA (anion))*	1214264-30-8	N.D.	0.010
284	2H,2H-Perfluorodecanoate (H ₂ PFDA)	27854-31-5	N.D.	0.010
285	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMAC)	2144-53-8	N.D.	0.200
286	N-Methyl perfluorooctanesulfonamidoacetic acid (N-Me-FOSAA)	2355-31-9	N.D.	0.050
287	Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)*	70281-93-5	N.D.	0.050
288	2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA (anion))*	909405-48-7	N.D.	0.050
289	N-ethyl-N-[(heptadecafluorooctyl)sulphonyl] glycine (N-Et-FOSAA)	2991-50-6	N.D.	0.050
290	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)*	2991-51-7	N.D.	0.050
291	Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)*	3871-50-9	N.D.	0.050
292	Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-NH ₄)*	2991-52-8	N.D.	0.050
293	2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA (anion))*	909405-49-8	N.D.	0.050
294	1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2 FTS)	757124-72-4	N.D.	0.200
295	1H,1H,2H,2H-Perfluorohexanesulfonic acid sodium (4:2 FTS-Na)*	27619-93-8	N.D.	0.200
296	4:2 Fluorotelomer sulfonate (4:2 FTS (anion))*	414911-30-1	N.D.	0.200

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
297	1H,1H,2H,2H-Perfluorododecanesulphonicacid (10:2 FTS)	120226-60-0	N.D.	0.200
298	1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)*	108026-35-3	N.D.	0.200
299	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	N.D.	0.010
300	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	N.D.	0.020
301	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoate (11H-PFUnDA-NH4)*	5081-02-7	N.D.	0.010
302	11H-Perfluoroundecanoate (11H-PFUnDA (anion))*	69681-37-4	N.D.	0.010
303	Perfluorodecyl iodide (PFDI)	423-62-1	N.D.	0.200
304	Perfluorododecyl iodide (PFDol)	307-60-8	N.D.	0.200
305	1H,1H,2H,2H-perfluorododecyl iodide (10:2 FTI)	2043-54-1	N.D.	0.200
306	1H,1H,2H,2H-perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	N.D.	0.200
307	2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	N.D.	0.200
308	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	N.D.	0.200
309	Glycine, N-[(heptadecafluorooctyl)sulfonyl]- (FOSAA)	2806-24-8	N.D.	0.010
310	N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)*	75260-69-4	N.D.	0.010
311	N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)*	115716-87-5	N.D.	0.010
312	N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA (anion))*	909405-47-6	N.D.	0.010
313	Perfluorononane sulfonic acid (PFNS)	68259-12-1	N.D.	0.010
314	Sodium Perfluoro-1-nonanesulfonate (PFNS-Na)*	98789-57-2	N.D.	0.010
315	Perfluorononanesulfonate potassium (PFNS-K)*	29359-39-5	N.D.	0.010
316	Ammonium perfluorononanesulfonate (PFNS-NH4)*	17202-41-4	N.D.	0.010
317	Perfluorononane sulfonate (anion) (PFNS (anion))*	474511-07-4	N.D.	0.010
318	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	N.D.	0.200
319	1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4	N.D.	0.200
320	Perfluoroundecane sulfonic acid (PFUnS)	749786-16-1	N.D.	0.010
321	Sodium perfluoro-1-undecanesulfonate (PFUnS-Na)*	-	N.D.	0.010
322	Perfluoroundecanesulfonate (PFUnS(anion))*	441296-91-9	N.D.	0.010
323	Perfluorotridecanesulfonic acid (PFTrDS)	791563-89-8	N.D.	0.010
324	Sodium perfluorotridecanesulfonate (PFTrDS-Na)*	174675-49-1	N.D.	0.010
325	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro- (PFPe)	2706-91-4	N.D.	0.010
326	Sodium perfluoropentanesulfonate (PFPe-Na)*	630402-22-1	N.D.	0.020
327	Potassium perfluorohexane-1-sulphonate (PFPe-K)*	3872-25-1	N.D.	0.020
328	Lithium perfluoropentane sulfonate (PFPe-Li)*	1046864-81-6	N.D.	0.010
329	Ammonium perfluoropentanesulfonate (PFPe-NH4)*	68259-09-6	N.D.	0.010
330	Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate (PFPe-(CH2CH2OH)2NH)*	70225-17-1	N.D.	0.020
331	Triethylammonium perfluoropentane sulfonate (PFPe-C6H15N)*	72033-42-2	N.D.	0.010

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			001	
332	Perfluoropentane sulfonic anhydride (PFPeSA)*	161877-72-1	N.D.	0.020
333	Perfluoropentane sulfonate (anion) (PFPe (anion))*	175905-36-9	N.D.	0.010
334	1-Hexane-sulfonamide,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (FHxSA)	41997-13-1	N.D.	0.010
335	Perfluorododecane sulfonic acid (PFDoDs)	79780-39-5	N.D.	0.010
336	Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)*	1260224-54-1	N.D.	0.010
337	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	N.D.	0.010
338	Perfluorododecanesulfonate (PFDoDS(anion))*	343629-43-6	N.D.	0.010
339	Perfluorooctylethyltrichlorosilane (FDTs)	78560-44-8	N.D.	0.200
340	Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1	N.D.	0.200
341	Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (FOTS)	78560-45-9	N.D.	0.200
342	N-methylperfluorohexanesulfonamide (MeFHxSA)	68259-15-4	N.D.	0.100
343	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	N.D.	0.010
344	Nonacosafuoropentadecanoate (PFPeDA (anion))*	1214264-29-5	N.D.	0.010
345	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	N.D.	0.010
346	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	N.D.	0.010
347	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	N.D.	0.200
348	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	N.D.	0.200
349	Pentafluoropropionate acid (PFPrA)	422-64-0	N.D.	0.010
350	Sodium pentafluoropropionate (PFPrA-Na)*	378-77-8	N.D.	0.020
351	Potassium pentafluoropropionate (PFPrA-K)*	378-76-7	N.D.	0.020
352	Silver Pentafluoropropionate (PFPrA-Ag)*	509-09-1	N.D.	0.020
353	Ammonium pentafluoropropionate (PFPrA-NH ₄)*	2730-58-7	N.D.	0.010
354	(Perfluorohexyl)ethylene	25291-17-2	N.D.	0.200
355	Bis[2-(perfluorodecyl)ethyl] Phosphate (10:2 diPAP)	1895-26-7	N.D.	0.200
356	Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C ₄ H ₁₁ O ₂)*	57677-98-2	N.D.	0.200
357	2,2-dichloro-1,1,1-trifluoroethane (HCFC-123)	306-83-2	N.D.	0.200
358	1-chloro-1,2,2,2-tetrafluoroethane (HCFC-124)	2837-89-0	N.D.	0.200
359	Pentafluoroethane (HFC-125)	354-33-6	N.D.	0.200
360	Norflurane (HFC-134a)	811-97-2	N.D.	0.200
361	Perfluorobutylsulphonamide (FBSA)	30334-69-1	N.D.	0.010
362	Trifluoroacetic Acid (TFA)	76-05-1	N.D.	0.010
363	Sodium trifluoroacetate (TFA-Na)*	2923-18-4	N.D.	0.020
364	Potassium trifluoroacetate (TFA-K)*	2923-16-2	N.D.	0.020
365	Lithium Trifluoroacetate (TFA-Li)*	2923-17-3	N.D.	0.020
366	Mercury(II) trifluoroacetate (TFA-Hg)*	13257-51-7	N.D.	0.040
367	Cesium Trifluoroacetate (TFA-Cs)*	21907-50-6	N.D.	0.025
368	Thallium(III) trifluoroacetate (TFA-Tl)*	23586-53-0	N.D.	0.050

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
369	Palladium(II) trifluoroacetate (TFA-Pd)*	42196-31-6	N.D.	0.030
370	Silver trifluoroacetate (TFA-Ag)*	2966-50-9	N.D.	0.020
371	Ammoniumtrifluoroacetate (TFA-NH ₄)*	3336-58-1	N.D.	0.020
372	2,2,3,3,4,4,4-heptafluorobutyramide (FBAA)	662-50-0	N.D.	0.050
373	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	N.D.	0.010
374	Perfluoro-4-methoxybutanoic acid (PFMOBA)	863090-89-5	N.D.	0.010
375	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	N.D.	0.200
376	Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAPS-Na)*	92678-93-8	N.D.	0.200
377	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	N.D.	0.010
378	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)	70887-88-6	N.D.	0.010
379	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	N.D.	0.010
380	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS-K)*	83329-89-9	N.D.	0.020
381	2h,2h,3h,3h-perfluorohexanoic acid (33FTA)	356-02-5	N.D.	0.010
382	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	N.D.	0.010
383	Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)*	2250081-67-3	N.D.	0.010
384	Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH ₄)*	958445-44-8	N.D.	0.010
385	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	N.D.	0.010
386	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	N.D.	0.010
387	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	N.D.	0.010
388	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS-K)*	73606-19-6	N.D.	0.020
389	Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF3ONS-NH ₄)*	1383434-28-3	N.D.	0.050
390	2,2,3,3-tetrafluoro-3-(trifluoromethoxy)propanoic acid (PFMPA)	377-73-1	N.D.	0.010
391	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	N.D.	0.010
392	Perfluoro-3,6-dioxaheptanoic acid (PF-3,6-DOHA)	151772-58-6	N.D.	0.010
393	2H,2H-Perfluorododecanoic acid (10:2FTCA)	53826-13-4	N.D.	0.010
394	3-(Perfluorohexyl)propan-1-ol (6:3 FTOH)	80806-68-4	N.D.	0.200
395	Methyl Perfluoroamyl Ketone (5:2 ketone)	2708-07-8	N.D.	0.200
396	Perfluorotributylamine (PFTBA)	311-89-7	N.D.	0.200
397	Trimethyl(tridecafluorohexyl)silane (TMPFHSI)	135841-49-5	N.D.	0.200
398	2,2,3,3,4,4,4-heptafluoro-1-butanol (PFBOH)	375-01-9	N.D.	0.200
399	1H,1H-Tridecafluoro-1-iodoheptane (PFIH)	212563-43-4	N.D.	0.200
400	1H,1H,2H,2H-perfluorooctyltriethoxysilane (PFOTOSI)	51851-37-7	N.D.	0.200
401	Ethyl Undecafluoroamyl Ketone (EtPFPK)	383177-55-7	N.D.	0.200
402	1-Bromoperfluorohexane (PFHBr)	335-56-8	N.D.	0.200
403	1H,1H,2H,2H-Perfluorooctyl iodide (PFIO)	2043-57-4	N.D.	0.200

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL
			001	(mg/kg)
404	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl) iodoacetamide (N-PFNIeTA)	852527-50-5	N.D.	0.200
405	Perfluorooctane (PFOct)	307-34-6	N.D.	0.200
406	Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silane (TMTFSI)	85857-16-5	N.D.	0.200
407	2,2,3,3,4,4,5,5,6,6,6-undecafluorohexan-1-ol (5:1 FTOH)	423-46-1	N.D.	0.200
408	3-Perfluorohexyl-1,2-epoxypropane (3-PFH-1,2-HPPO)	38565-52-5	N.D.	0.200
409	1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-(trifluoromethyl)pentane (HFE-7300)	132182-92-4	N.D.	0.200
410	Alcohols, C8-14, gamma-omega-perfluoro (C8-14-PFEtOH)	68391-08-2	N.D.	0.200
411	Tridecafluoroheptanamide (TPFHpA)	2358-22-7	N.D.	0.200
412	1-(Perfluorohexyl)-2-iodopropane (PFNI)	38550-34-4	N.D.	0.200
413	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl thiocyanate (PFHTh)	26650-09-9	N.D.	0.200
414	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide (TFNI)	89889-20-3	N.D.	0.200
415	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-thiol (PFOctSOH)	34451-26-8	N.D.	0.200
416	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (PFODMeCLSI)	102488-47-1	N.D.	0.200
417	Triethoxy[5,5,6,6,7,7,7-heptafluoro-4,4-bis(trifluoromethyl)heptyl]silane (EtPFMHepSI)	130676-81-2	N.D.	0.200
418	3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol (5:2sFTOH)	914637-05-1	N.D.	0.200
419	1H,1H-Perfluoro-1-heptanol (PFHepOH)	375-82-6	N.D.	0.200
420	4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl alcohol (4-PFOBA)	356055-76-0	N.D.	0.200
421	1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1	N.D.	0.200
422	2-(Perfluorohexyl)ethyltris(1-methylethoxy)silane (PFETMSI)	1240203-07-9	N.D.	0.200
423	Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butaneulfonyl)imide (BIS-PFBSI)	39847-39-7	N.D.	0.010
424	Carboxymethyldimethyl-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	N.D.	0.010
425	N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide (N-oxideN-diPTFOP-N-oxide)	80475-32-7	N.D.	0.010
426	2,2-difluoro-2-(trifluoromethoxy)acetic acid (PFMOAA)	674-13-5	N.D.	0.010
427	Bis[2-[N-ethyl(heptadecafluorooctanesulphonyl)amino]ethyl]hydrogen phosphate (EtFOSEdiPAPs)	2965-52-8	N.D.	0.050
428	2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA)	27854-30-4	N.D.	0.010
429	Perfluorohexyl ethylphosphonic acid (Cheminox FHP 2OH(PFHEPA))	252237-40-4	N.D.	0.010

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No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			001	
430	Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP 2OH-Na(PFHEPA-Na))*	1189052-95-6	N.D.	0.010
431	1-Octanol,3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-,1-(dihydrogen phosphate) (6:2monoPAPs)	57678-01-0	N.D.	0.010
432	Diammonium 6:2 fluorotelomer phosphate monoester (6:2monoPAPs-NH ₄ NH ₄)*	1000852-37-8	N.D.	0.010
433	Perfluoro-3,6-dioxaoctanoic acid (PF-3,6-DOOA)	80153-82-8	N.D.	0.010
434	Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (PFESA BP1)	29311-67-9	N.D.	0.010
435	7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (PFESA BP2)	749836-20-2	N.D.	0.010

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- *The test result of the substance is converted from the test result of certain compound.

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Black foam

Note:

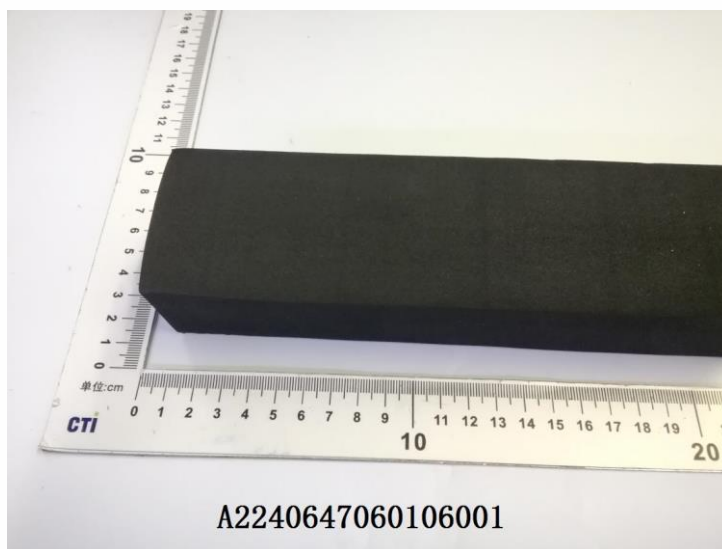
- According to the client's statement for company relations, the test result(s) of this report is/are presented in reference to the result(s) that reported in A2240647060106001.

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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;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***