

Test Report

No.: EGZ2603270133C00101R

Date: Apr. 02, 2026

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Applicant : SHENZHEN PINCHENG MOTOR CO,LTD
委托单位 : 深圳市品成电机有限公司

Address : No.104-2 LONGXING SOUTH ROAD, LONGTIAN COMMUNITY, KENGZI STREET, PINGSHAN DISTRICT, SHENZHEN CITY
地 址 : 深圳市坪山新区坑梓街道龙田社区龙兴南路 104-2 号

Sample Name : 385 water pump
样品名称 : 385 水泵

Model : PYPSP385-24A
型 号 :

Received Date : Mar. 27, 2026
接收日期 : 2026 年 03 月 27 日

Test Period : Mar. 27, 2026~Apr. 02, 2026
检测日期 : 2026 年 03 月 27 日~2026 年 04 月 02 日

Test Requested : As specified by client, to determine Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content in the submitted sample.
检测要求 : 根据客户要求, 测定委托样品中的全氟和多氟烷基化合物(PFAS)的含量。

Test Results : Please refer to next page (s).
检测结果 : 请参看随后页面。

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Executive Summary:

执行测试总结:

STANDARD 标 准	CONCLUSION 结 论
Perfluoroalkyl and polyfluoroalkyl substances (PFAS)(Client's Requirement) 全氟和多氟烷基化合物(PFAS)(客户要求)	PASS 合格

Signed for and on behalf of
EMTEK(Guangzhou) Co., Ltd.

Prepared by:

Huang Xiaojin, Opal
Assistant engineer

Reviewed by:

Sun Wei, Ethan
Technical supervisor

Approved by:

Yu Chunhua, Jay Yu
检验检测专用章
Authorized signatory
Apr. 02, 2026

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Sample List:

样品清单:

No. 序号	Sample Number 样品编号	Sample Name 样品名称
1	E2603270133-01	385 water pump 385 水泵

Test item list:

检测样品清单:

No. 序号	Sample Description 样品描述
1.1	Shell-white hard plastic 壳体-白色硬塑料
1.2	Wire jacket-red soft plastic 线皮-红色软塑料
1.3	Wire jacket-black soft plastic 线皮-黑色软塑料
1.4	Interface-white hard plastic 接口-白色硬塑料
1.5	Sheath-black soft plastic 护套-黑色软塑料
1.6	Bottom cover-beige hard plastic 底盖-米白色硬塑料
1.7	Damping block-black soft plastic 阻尼块-黑色软塑料
1.8	Carbon Brush-Black Solid 碳刷-黑色固体
1.9	Suction cup-black rubber 吸盘-黑色橡胶
1.10	Blockage-black rubber 堵塞-黑色橡胶
1.11	Drive block-white hard plastic 驱动块-白色硬塑料
1.12	Gasket-white silicone 垫片-白色硅胶

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No. 序号	Sample Description 样品描述
1.13	Blocking-white silica gel 堵塞-白色硅胶
1.14	Magnets-black solids 磁石-黑色固体
1.15	Meson-brown epoxy resin 介子-棕色环氧树脂
1.16	Brush skeleton-black hard plastic 电刷骨架-黑色硬塑料
1.17	Gasket-black hard plastic 垫圈-黑色硬塑料
1.18	Insulating green paint 绝缘绿色漆

Remark: The samples of No.1.1+1.2+1.3+1.4+1.5, 1.6+1.7+1.8+1.9+1.10, 1.11+1.12+1.13+1.14+1.15, 1.16+1.17+1.18 was analyzed on behalf of the applicant as mixing sample in one testing, the following results were only given for information purposes.

备注: 样品 1.1+1.2+1.3+1.4+1.5, 1.6+1.7+1.8+1.9+1.10, 1.11+1.12+1.13+1.14+1.15, 1.16+1.17+1.18 的测试是基于申请人要求混合测试, 报告中的混合测试结果不代表其中个别单一材质的含量。

Test Results: 检测结果:

Test Method: With reference to EN 17681-1:2025, the analysis was performed by LC-MSMS.
检测方法: 参照 EN 17681-1:2025, 分析仪器为三重四级杆液相色谱质谱联用仪(LC-MSMS)。

Test Item 检测项目	Results (mg/kg) 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
	1.1+1.2+1.3+1.4+1.5 (MIX/混测)		
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) 全氟和多氟烷基化合物 (PFAS)	ND	0.025	Non-detectable 不得检出

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Test Item 检测项目	Results (mg/kg) 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
	1.6+1.7+1.8+1.9+1.10 (MIX/混测)		
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) 全氟和多氟烷基化合物 (PFAS)	ND	0.025	Non-detectable 不得检出

Test Item 检测项目	Results (mg/kg) 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
	1.11+1.12+1.13+1.14+1.15 (MIX/混测)		
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) 全氟和多氟烷基化合物 (PFAS)	ND	0.025	Non-detectable 不得检出

Test Item 检测项目	Results (mg/kg) 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
	1.16+1.17+1.18 (MIX/混测)		
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) 全氟和多氟烷基化合物 (PFAS)	ND	0.025	Non-detectable 不得检出

Note: mg/kg = milligram per kilogram = ppm
备注: mg/kg = 毫克/千克 = 百万分之一
ND = Not Detected (Less than MDL)
ND= 未检测到 (小于 MDL)

MDL = Method Detection Limit
MDL=方法检测限

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Perfluoroalkyl and polyfluoroalkyl substances (PFAS) list:

全氟和多氟烷基化合物 (PFAS) 清单:

No. 序号	Group Name 组名	Substance Name 物质名称	CAS No.	MDL (mg/kg)
1	PFOS, its salts & derivatives	Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.010
2		Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3	--
3		Perfluorooctanesulfonic acid, lithium salt (PFOS- Li)	29457-72-5	--
4		Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0	--
5		Ammonium perfluorooctanesulfonate (PFOS-NH ₄)	29081-56-9	--
6		Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8	--
7		Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	--
8		N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	--
9		TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7	--
10		Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7	--
11		Magnesium bis(heptafluorooctanesulphonate) (PFOS-Mg)	91036-71-4	--
12		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6	--
13		Perfluorooctanesulfonate	45298-90-6	--
14		Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃)	54439-46-2	--
15		Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5	--
16		N,N,N-Tripropylpentan-1-aminium heptafluorooctane-1-sulfonate (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9	--
17		N,N-Dibutyl-N-methylbutan-1-aminium heptafluorooctane-1-sulfonate (PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0	--
18		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8	--
19		Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0	--
20		1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4	--

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No. 序号	Group Name 组名	Substance Name 物质名称	CAS No.	MDL (mg/kg)
21		N,N,N-Triethyldecane-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4	--
22		Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4	--
23		Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7	--
24		heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3	--
25		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7	--
26		Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8	0.010
27		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6	--
28	FOSAA, its salts	N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	--
29		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	--
30		N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9	0.010
31	N-MeFOSAA, its salts	2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7	--
32		Potassium N-((heptadecafluorooctyl)sulphonyl)- N-methylglycinate (N-Me-FOSAA-K)	70281-93-5	--
33		N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6	0.010
34		Glycine, N-ethyl-N- [(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7	--
35		2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8	--
36	N-EtFOSAA, its salts	Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH ₄)	2991-52-8	--
37		Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9	--
38	--	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.010
39	--	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.010
40	--	2-(N-ethylperfluoro-1-octanesulfonamido)- ethanol (N-EtFOSE)	1691-99-2	0.010
41	--	2-(N-methylperfluoro-1-octanesulfonamido)- ethanol (N-MeFOSE)	24448-09-7	0.010

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No. 序号	Group Name 组名	Substance Name 物质名称	CAS No.	MDL (mg/kg)
42	PFOSA, its salts	Perfluorooctane Sulfonamide (PFOSA)	754-91-6	0.010
43		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	--
44		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	--
45		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	--
46		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2	--
47		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N)	76752-82-4	--
48		PFOA, its salts & derivatives	Perfluorooctanoic acid (PFOA)	335-67-1
49	Sodium perfluorooctanoate (PFOA-Na)		335-95-5	--
50	Potassium perfluorooctanoate (PFOA-K)		2395-00-8	--
51	Silver perfluorooctanoate (PFOA-Ag)		335-93-3	--
52	Perfluorooctanoyl fluoride (PFOA-F)		335-66-0	--
53	Ammonium pentadecafluorooctanoate (APFO)		3825-26-1	--
54	Lithium perfluorooctanoate (PFOA-Li)		17125-58-5	--
55	Cobalt perfluorooctanoate (PFOA-Co)		35965-01-6	--
56	Cesium perfluorooctanoate (PFOA-Cs)		17125-60-9	--
57	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))		68141-02-6	--
58	Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))		423-52-9	--
59	Pentadecafluorooctanoate (anion)		45285-51-6	--
60	Perfluorooctanoic Anhydride		33496-48-9	--
61	N,N,N-Triethylethanaminium perfluorooctanoate		98241-25-9	--
62	Perfluorooctanoate N,N,N-Trimethylmethanaminium		32609-65-7	--
63	Tetrapropylammonium perfluorooctanoate		277749-00-5	--
64	Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-K(H ₂ O) ₂)		98065-31-7	--
65	Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)		1376936-03-6	--
66	Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C ₅ H ₅ N)		95658-47-2	--
67	pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)		1514-68-7	--

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68		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6	--
69	8:2 FTS, its salts	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	0.010
70		Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)	438237-73-1	--
71		Ammonium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-NH ₄)	149724-40-3	--
72		Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)	27619-96-1	--
73		2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))	481071-78-7	--
74	--	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.200
75	--	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.200
76	--	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)*	27905-45-9	0.100
77	--	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)*	1996-88-9	0.100
78	--	Perfluoro-1-iodooctane (PFOI)	507-63-1	0.200
79	8:2 FTCA, its salts	2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5	0.010
80		Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7	--
81	--	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.100
82	--	1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)*	2043-53-0	0.100
83	--	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC ₂ H ₅) ₃)*	101947-16-4	0.100
84	8:2diPAP, its salts	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) hydrogen phosphate (8:2diPAP)	678-41-1	0.010
85		Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6	--
86		Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1	--
87		Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH ₄)	93776-20-6	--
88		8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1	--
89	8:3 FTCA, its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9	0.010
90		Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1	--

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91		2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA- Li)	67304-23-8	--
92	--	1H,1H,2H-Heptadecafluoro-1-decene (PFDE)*	21652-58-4	0.200
93	--	3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	0.010
94	--	1H,1H,2H,2H-Perfluorodecyltrichlorosilane*	78560-44-8	0.100
95	--	1H,1H,2H,2H-Perfluorodecyltrimethoxysilane*	83048-65-1	
96	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.010
97	--	6:8 Perfluorophosphinic acid (6:8 PFPi)	610800-34-5	0.010
98		8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1	0.010
99	8:8 PFPi, its salts	Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2	--
100		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5	--
101		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6	--
102	--	1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc)*	37858-04-1	0.100
103	8:2 monoPAP, its salts	8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2	0.100
104		8:2 Fluorotelomer diammonium phosphate	93857-44-4	--
105		Disodium 1H,1H,2H,2H-perfluorodecylphosphate	438237-75-3	--
106		Ammonium bis[2-(perfluorohexyl)ethyl] phosphate	1764-95-0	--
107		3,3,4,4,5,5,6,6,7,7,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0	--
108		Sodium 1H,1H,2H,2H-perfluorooctylphosphate	144965-22-0	--
109		Monopotassium monoperofluorohexyl ethylphosphate	150033-28-6	--
110		Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8	--
111		Perfluorononane Acid (PFNA)	375-95-1	0.010
112		Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8	--
113		Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH ₄)	4149-60-4	--
114		Potassium perfluorononanoate (PFNA-K)	21049-38-7	--
115		Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3	--
116		Silver perfluorononanoate (PFNA-Ag)	7358-16-9	--
117		Methanaminium perfluorononanoate (PFNA-NH ₃ (CH ₃))	77032-23-6	--

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118	PFNA, its salts	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	--
119		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	--
120		Nonanoic acid, heptafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	--
121		Nonanoic acid, heptafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	--
122		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	--
123	PFDA, its salts	Nonanoic acid, heptafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-NH ₃ (C ₆ H ₁₁))	328531-06-2	--
124		Perfluorononanoate (anion)	72007-68-2	--
125		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptafluorononanoate (PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	--
126		Perfluorononanoic anhydride (PFNAA)	228407-54-3	--
127		Perfluorodecane Acid (PFDA)	335-76-2	0.010
128		Sodium perfluorodecanoate (PFDA-Na)	3830-45-3	--
129		Perfluorodecanoate ammonium salt (PFDA-NH ₄)	3108-42-7	--
130		Potassium perfluorodecanoate (PFDA-K)	51604-85-4	--
131		Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	--
132		Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	--
133		Perfluorodecanoate (anion)	73829-36-4	--
134		Perfluorodecanoic anhydride (PFDA)	942199-24-8	--
135		PFUnDA, its salts	Perfluoroundecanoic Acid (PFUnDA)	2058-94-8
136	Perfluoroundecanoic acid sodium salt (PFUnDA- Na)		60871-96-7	--
137	Ammonium perfluoroundecanoate (PFUnDA- NH ₄)		4234-23-5	--
138	Potassium perfluoroundecanoate (PFUnDA-K)		30377-53-8	--
139	Calcium perfluoroundecanoate (PFUnDA-Ca)		97163-17-2	--
140	Perfluoroundecanoate (anion)		196859-54-8	--
141			Perfluorododecanoic Acid (PFDoDA)	307-55-1

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142	PFDODA, its salts	Ammonium tricosfluorododecanoate (PFDODA- NH ₄)	3793-74-6	--
143		Perfluorododecanoate (anion)	171978-95-3	--
144	PFTTrDA, its salts	Perfluorotridecanoic Acid (PFTTrDA)	72629-94-8	0.010
145		Ammonium perfluorotridecanoate (PFTTrDA-NH ₄)	4288-72-6	--
146		Sodium perfluorotridecanoate (PFTTrDA-Na)	60872-01-7	--
147		Perfluorotridecanoate (anion)	862374-87-6	--
148	PFTDA, its salts	Perfluorotetradecanoic Acid (PFTDA)	376-06-7	0.010
149		Perfluorotetradecanoate (anion)	365971-87-5	--
150	--	Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7- DMOA)	172155-07-6	0.010
151	PFDS, its salts	Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.010
152		Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7	--
153		Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8	--
154		Ammonium perfluorodecanesulfonate (PFDS- NH ₄)	67906-42-7	--
155		Perfluorodecane sulfonate (anion)	126105-34-8	--
156		Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0	--
157	--	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.100
158	--	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)*	17741-60-5	0.100
159	--	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)*	2144-54-9	0.100
160	--	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	0.100
161	10:2 FTS, its salts	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.010
162		1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3	--
163	--	1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI)*	2043-54-1	0.100
164	--	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)*	30046-31-2	0.100
165	PFNS, its salts	Perfluoro nonane sulfonic acid (PFNS)	68259-12-1	0.010
166		Sodium perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2	--
167		ammonium nonadecafluorononanesulphonate (PFNS-NH ₄)	17202-41-4	--
168		Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5	--
169		Perfluorononane sulfonate (anion)	474511-07-4	--
170	PFUnDS, its	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1	0.010

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171	salts	Perfluoroundecanesulfonate (anion)	441296-91-9	--
172	PFD0DS, its salts	Perfluorododecanesulfonic acid (PFD0DS)	79780-39-5	0.010
173		Sodium perfluoro-1-dodecanesulfonate (PFD0DS-Na)	1260224-54-1	--
174		Potassium perfluorododecanesulfonate (PFD0DS-K)	85187-17-3	--
175		Perfluorododecane sulfonate (anion)	343629-43-6	--
176	PFTTrDS, its salts	Perfluorotridecane sulfonic acid (PFTTrDS)	791563-89-8	0.010
177		Sodium perfluoro-1-tridecanesulfonate (PFTTrDS-Na)	174675-49-1	--
178	10:2 diPAP, its salts	10:2 Fluortelomerphosphatediester (10:2 diPAP)	1895-26-7	0.100
179		Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C ₄ H ₁₁ O ₂)	57677-98-2	--
180	--	Perfluorodecyl iodide (PFDI)*	423-62-1	0.100
181	--	Perfluorododecyl iodide (PFD0DI)*	307-60-8	0.100
182	--	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.010
183	--	2-Perfluorodecyl ethanoic acid (10:2 FTCA)	53826-13-4	0.010
184	--	1H,1H,2H,2H-perfluorodecyl acetate (10:2 FTOAc)*	37858-05-2	0.100
185		Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.010
186		Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5	--
187		Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6	--
188		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	--
189		Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄)	68259-08-5	--
190		Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP)	1000597-52-3	--
191		N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₄ H ₉) ₄)	108427-54-9	--
192		N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₂ H ₅) ₄)	108427-55-0	--
193		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	--

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194	PFHxS, its salts & derivatives	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0	--
195		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	--
196		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	--
197		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	--
198		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	--
199		Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS- PFHxS)	144116-10-9	--
200		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	--
201		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	--
202		Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA)	189274-31-5	--
203		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	--

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204		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	--
205		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl)(PFHxS-Ga)	341035-71-0	--
206		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	--
207		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	--
208		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	--
209		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	--
210		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	--
211		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))	421555-74-0	--
212		Perfluorohexane sulphonyl fluoride(PFHxS-F)	423-50-7	--
213		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	--
214		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0	--
215		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C ₂ H ₅ O) ₂)	70225-16-0	--
216		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	--
217		Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl) (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	866621-50-3	--
218		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	--

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219		Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6,7-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C ₆ H ₅) ₂ 8 ₁₀ H ₉ O ₂)	911027-68-4	--
220		1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)	92011-17-1	--
221		Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopenta decinium, 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	--
222		Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	--
223		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 (PFHxS-Sulfonium, propenoate polymer)	911027-69-5	--
224		Perfluorohexane sulfonate (anion)	108427-53-8	--
225		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P (C ₄ H ₉) ₄)	2310194-12-6	--
226	--	N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA)	68259-15-4	0.010
227	--	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	0.010
228	--	N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	0.010
229	--	2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate) (N-MeFHSEA)	67584-57-0	0.200
230	--	2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-61-6	0.200
231	--	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67906-70-1	0.200
232	--	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE)	68555-75-9	0.010
233		Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA)	68957-32-4	0.010

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234	EtFHxSAA, its salts	Potassium N-ethyl-n- [(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6	--
235		Sodium N-ethyl-N- ((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	--
236	PFHxA, its salts & derivatives	Perfluorohexane Acid (PFHxA)	307-24-4	0.010
237		Ammonium perfluorohexanoate (APFHx)	21615-47-4	--
238		Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	--
239		Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	--
240		Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	--
241		Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	--
242		Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	--
243		Perfluorohexanoic anhydride	308-13-4	--
244		Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8Cl,9Cl)	423-47-2	--
245		Perfluorohexanoate (anion)	92612-52-7	--
246		Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	--
247		Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-C ₆ H ₁₅ N)	565225-91-4	--
248		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	--
249	--	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.100
250	--	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.400
251	--	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.200
252	6:2 FTS, its salts	1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2	0.010
253		Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9	--
254		Potassium 1H,1H,2H,2H- Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1	--
255		Ammonium 1H,1H,2H,2H- Perfluorooctanesulfonate (6:2 FTS-NH ₄)	59587-39-2	--
256		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)	1807944-82-6	--
257		2-(Perfluorohexyl)ethane-1-sulfonate (6:2FTS(anion))	425670-75-3	--
258	--	1H,1H,2H,2H-Perfluorooctyltriethoxysilane (6:2 FTSi(OC ₂ H ₅) ₃)	51851-37-7	0.500

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259	--	1H,1H,2H,2H-Perfluorooctyltrichlorosilane	78560-45-9	0.200
260	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6- iodoheptane (PFHx-l)	355-43-1	0.200
261	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8- iodononane	38550-34-4	0.200
262	--	n-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide n-oxide	80475-32-7	0.100
263	--	thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8- tridecafluorooctyl ester	26650-09-9	0.200
264	6:2 monoPAP, its salts	6:2 Fluorotelomer phosphate monoester (6:2 monoPAP)	57678-01-0	0.100
265		Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	-
266	--	2h,2h,3h,3h-perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.100
267	--	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1- thiol (6:2 FTSH)	34451-26-8	0.200
268	--	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe ₂ Cl)	102488-47-1	0.200
269	--	1H,1H-Tridecafluoro-1-iodoheptane (6:1 FTI)	212563-43-4	0.200
270	--	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide (6:3 FTI)	89889-20-3	0.200
271	6:2 FTPA, its salts	Perfluorohexyl ethylphosphonic acid (6:2 FTPA)	252237-40-4	0.100
272		Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP ₂ OH-Na(PFHEPA-Na))	1189052-95-6	--
273	--	1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro- (5:1 FTOH)	423-46-1	0.200
274	--	2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol (6:1 FTOH)	375-82-6	0.200
275	--	4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol (6:3 FTOH)	80806-68-4	0.200
276	--	3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol (5:2 sFTOH)	914637-05-1	0.200
277	--	1-(perfluorohexyl)octane (F ₆ H ₈)	133331-77-8	0.200
278	--	1H,1H-Tridecafluoroheptylamine (6:1 FTNH ₂)	423-49-4	0.200
279	--	2H-Perfluoro-2-octenoic acid (6:2 FTUCA)	70887-88-6	0.010
280	6:6 PFPi, its salts	6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9	0.010
281		Bis(perfluorohexyl)phosphinic acid sodium salt (6:6 PFPi-Na)	70609-44-8	--
282		Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7	--

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283		Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8	--	
284	PFBA, its salts	Perfluorobutane Acid (PFBA)	375-22-4	0.010	
285		Ammonium perfluorobutanoate (PFBA-NH ₄)	10495-86-0	--	
286		Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	--	
287		Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	--	
288		Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	--	
289		Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	--	
290		Heptafluorobutanoic acid-piperazine (1:1)	375-04-2	--	
291		Perfluorobutanoate (anion)	45048-62-2	--	
292		PFBS, its salts & derivatives	Perfluorobutanesulfonic acid (PFBS)	375-73-5	0.010
293			Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	--
294	Perfluorobutanesulfonic Acid Hydrate (PFBS-H ₂ O)		59933-66-3	--	
295	lithium perfluorobutanesulfonate (PFBS-Li)		131651-65-5	--	
296	Triphenyl Sulfonium Perfluorobutane Sulfonate (TPS-PFBS)		144317-44-2	--	
297	Dimethyl(phenyl)sulfanium perfluorobutanesulfonate (PFBS-S(CH ₃) ₂ C ₆ H ₅)		220133-51-7	--	
298	Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate (PFBS-P(C ₄ H ₉) ₄)		220689-12-3	--	
299	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate(PFBS-N(C ₂ H ₅) ₄)		25628-08-4	--	
300	Nonafluorobutanesulfonyl fluoride (PFBS-F)		375-72-4	--	
301	Morpholinium perfluorobutanesulfonate (PFBS-NC ₄ H ₉ O)		503155-89-3	--	
302	Magnesium perfluorobutanesulfonate (PFBS- Mg)		507453-86-3	--	
303	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH ₄)		68259-10-9	--	
304	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-SC ₁₈ H ₂₃ O)		209482-18-8	--	
305	1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl chloride (PFBS-Cl)		2991-84-6	--	
306	Sodium perfluorobutanesulfonate (PFBS-Na)		60453-92-1	--	
307	Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)		194999-85-4	--	

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308		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	--
309		Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	--
310		Diphenyliodonium nonafluorobutane-1-sulfonate((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	--
311		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	241806-75-7	--
312		Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	425670-64-0	--
313		Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	867373-18-0	--
314		Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	1015420-87-7	--
315		1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	905972-83-0	--
316		1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	1001557-05-6	--
317		2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	374571-81-0	--
318		Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	857285-80-4	--
319		1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate(1:1)	124472-66-8	--
320		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	--
321		1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	56773-55-8	--
322		Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N(CH ₃) ₄)	25628-17-5	--
323		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4	--
324		Perfluorobutane sulfonate (anion)	45187-15-3	--
325		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate	EC: 468-770-4	--
326		Triethylammonium perfluorobutane sulfonate	182059-38-7	--

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327		N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanefluorobutanesulfonate (1:1)	334529-55-4	--
328		1-Hexadecylpyridinium perfluoro-1-butanefluorobutanesulfonate	334529-62-3	--
329		1-Butylpyridinium perfluoro-1-butanefluorobutanesulfonate	334529-64-5	--
330		N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanefluorobutanesulfonate	495417-51-1	--
331		Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanefluorobutanesulfonic acid (1:1)	722538-68-3	--
332	PFPeA, its salts	Perfluoropentane Acid (PFPeA)	2706-90-3	0.010
333		Sodium perfluoropentanoate(PFPeA-Na)	2706-89-0	--
334		Potassium perfluoropentanoate(PFPeA-K)	336-23-2	--
335		Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	--
336		Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	--
337		Ammonium perfluoropentanoate(PFPeA-NH ₄)	68259-11-0	--
338		Perfluoropentanoate (anion)	45167-47-3	--
339		Nonafluoropentanoic acid -1-benzylthiourea (1:1) (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
340		Perfluoropentanoic anhydride (PFPeAA)	308-28-1	--
341		HPFHpA, its salts	7H-Dodecafluoroheptane Acid (HPFHpA)	1546-95-8
342	Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)		2264-25-7	--
343	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH ₄)		376-34-1	--
344	7-H-Perfluoroheptanoate (HPFHpA(anion))		69681-35-2	--
345	PFHpS, its salts	Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.010
346		Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9	--
347		Potassium Perfluoroheptanesulfonate (PFHpS- K)	60270-55-5	--
348		Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4	--
349		Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	--
350		1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9	--
351	Perfluoroheptane sulfonate (anion)	146689-46-5	--	
352	Triethylammonium perfluoroheptane sulfonate	72033-40-0	--	

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353		Tetraethylammonium perfluoroheptane sulfonate	439863-97-5	--	
354		Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1	--	
355	PFHpA, its salts	Perfluoroheptane Acid (PFHpA)	375-85-9	0.010	
356		Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	--	
357		Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	--	
358		Ammonium perfluoroheptanoate (PFHpA-NH ₄)	6130-43-4	--	
359		Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	--	
360		Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	--	
361		Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	--	
362		Perfluoroheptanoate (anion)	120885-29-2	--	
363		HFPO-DA, its salts & derivatives	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA)	13252-13-6	0.010
364	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammonium salts (HFPO-DA-NH ₄)		62037-80-3	--	
365	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, K- salts (HFPO-DA-K)		67118-55-2	--	
366	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its acyl halides (HFPO-DA-F)		2062-98-8	--	
367	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-		75579-39-4	--	
368	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-		75579-40-7	--	
369	Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		67963-75-1	--	
370	Perfluoro(2-propoxypropanoate)		122499-17-6	--	
371	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)		165951-17-7	--	
372	Triethylaminium perfluoro-2-propoxypropanoate		165951-18-8	--	
373	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		298703-31-8	--	
374	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	--	
375	4:2 FTS, its salts		1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	0.010
376			1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8	--
377		4:2 Fluorotelomer sulfonate (4:2 FTS(anion))	414911-30-1	--	

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378	PFPeS, its salts	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.010
379		Sodium perfluoro-1-pentanesulfonate (PFPeS- Na)	630402-22-1	--
380		Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	--
381		Ammonium perfluoropentanesulfonate (PFPeS- NH ₄)	68259-09-6	--
382		Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1- sulphonate	70225-17-1	--
383		Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6	--
384		Perfluoropentane sulfonate (anion)	175905-36-9	--
385		Triethylammonium perfluoropentane sulfonate	72033-42-2	--
386		Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	--
387		--	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3
388	--	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.010
389	PFHxDA, its salts	Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	0.010
390		Hentriacontafluorohexadecanoate anion (PFHxDA(anion))	1214264-30-8	--
391	PFODA, its salts	Perfluorooctadecanoic Acid (PFODA)	16517-11-6	0.010
392		Perfluorooctadecanoate anion (PFODA(anion))	798556-82-8	--
393	--	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	0.200
394	ADONA, its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.010
395		Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH ₄)	958445-44-8	--
396		Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	--
397	--	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	0.010
398	--	Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	0.010
399	--	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.010
400	9Cl-PF ₃ ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF ₃ ONS)	756426-58-1	0.010
401		Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF ₃ ONS-K)	73606-19-6	--
402		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF ₃ ONS-NH ₄)	1383434-28-3	--
403	11Cl-	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF ₃ OUdS)	763051-92-9	0.010

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No. 序号	Group Name 组名	Substance Name 物质名称	CAS No.	MDL (mg/kg)
404	PF ₃ OUdS, its salts	Potassium 11-chloroeicosafuoro-3-oxaundecane-1-sulfonate (11Cl-PF ₃ OUdS-K)	83329-89-9	--
405	--	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.010
406	--	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	0.010
407	PFPeDA, its salts	Perfluoropentadecanoic Acid (PFPeDA)	141074-63-7	0.100
408		Nonacosafuoropentadecanoate (PFPeDA(anion))	1214264-29-5	--
409	--	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.200
410	--	2-(N-ethylperfluorooctanesulfamido) ethyl acrylate (EtFOSAC)	423-82-5	0.200
411	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI)	2043-57-4	0.100
412	--	Perfluorobutane sulfon amides (PFBSA)	30334-69-1	0.100
413	--	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC ₃ H ₈ O)	34454-97-2	0.010
414	11H-PFUnDA, its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.100
415		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	--
416		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	--
417		11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4	--
418	PFPrA, its salts	Pentafluoropropionic acid (PFPrA)	422-64-0	0.100
419		Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	--
420		Silver pentafluoropropionate (PFPrA-Ag)	509-09-1	--
421		Potassium pentafluoropropionate (PFPrA-K)	378-76-7	--
422		Ammonium pentafluoropropionate (PFPrA-NH ₄)	2730-58-7	--
423	HFPO-TA, its salts	Hexafluoropropylene oxide trimer acid (HFPO-TA)	13252-14-7	0.200
424		Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, potassium salt (HFPO-TA-K)	67118-57-4	--
425		Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid, sodium salt (HFPO-TA-Na)	67963-76-2	--

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No. 序号	Group Name 组名	Substance Name 物质名称	CAS No.	MDL (mg/kg)
426		Propanoic acid, 2,3,3,3-tetrafluoro-2- (1,1,2,3,3,3-hexafluoro-2- (heptafluoropropoxy)propoxy)-, ammonium salt (HFPO-TA-NH4)	13043-05-5	--
427		Perfluoro(2,5-dimethyl-3,6-dioxanonanoyl) fluoride (HFPO-TA-F)	2641-34-1	--
428	--	Perfluoroethane sulfonic acid (PFETs)	354-88-1	0.010
429		6:2 Fluorotelomer phosphate diester (6:2 diPAP)	57677-95-9	0.010
430	6:2 diPAP, its salts	Sodium bis[2-(perfluorohexyl)ethyl]phosphate (6:2 diPAP-Na)	407582-79-0	--
431		Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-) (6:2 diPAP(Anion))	667465-18-1	--
432		Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.010
433	TFSI, its salts	1-Butyl-1-methylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-11-4	--
434		Tributylmethylammonium Bis(trifluoromethanesulfonyl)imide	405514-94-5	--
435		Lithium Bis(trifluoromethane)sulfonimide (TFSI- Li)	90076-65-6	--
436		1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6	--
437	10:2 monoPAP, its salts	10:2 Fluorotelomerphosphatemonoester (10:2 monoPAP)	57678-05-4	0.100
438		10:2 Fluorotelomer diammonium dihydrogen phosphate	93857-45-5	--
439	--	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide	852527-50-5	0.010
440		Trifluoromethane sulfonic acid (TFMS)	1493-13-6	0.010
441		Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9	--
442		Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	--
443		Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2	--
444		Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	--
445		Trifluoromethanesulfonic anhydride	358-23-6	--
446		Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	--
447		Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2	--
448		Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7	--
449	TFMS, its salts	Cerium(IV) trifluoromethanesulfonate (TFMS- Ce)	107792-63-2	--
450		Magnesium trifluoromethanesulfonate (TFMS- Mg)	60871-83-2	--
451		Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	--

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452		Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	--
453		Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	--
454		Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	--
455		Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	--
456		Cerium(III) Trifluoromethanesulfonate (TFMS- Ce)	76089-77-5	--
457		PFPrS, its salts	Perfluoropropate sulfonic acid (PFPrS)	423-41-6
458	Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)		359868-82-9	--
459	--	1-pefluoroheptyl ethanol (7:2 secondary) (7:2sFTOH)	24015-83-6	0.200
460	--	4:2 Fluorotelomer iodide (4:2 FTI)	2043-55-2	0.200
461	PFHpSi, its salts	Perfluoroheptane-1-sulfinic acid (PFHpSi)	769067-51-8	0.010
462		1-heptanesulfinic Acid Sodium Salt (PFHpSi-Na)	68555-66-8	--
463	PFOPA, its salts	Perfluorooctyl phosphoic acid (PFOPA)	40143-78-0	0.010
464		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (1/1)	1263361-03-0	--
465	--	1H,1H-Perfluorooctylamine (7:1 FTNH ₂)	307-29-9	0.200
466	--	Perfluoroheptanamide (PFHpA-NH ₂)	2358-22-7	0.100
467	--	Perfluorobutyramide (PFBA-NH ₂)	662-50-0	0.200
468	--	1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA)	52591-27-2	0.200
469	--	N-methylperfluoro-1-butanefulfonamide (MeFBSA)	68298-12-4	0.010
470	--	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N- (2-hydroxyethyl)-1-hexanesulfonamide (Et- FHxSE)	34455-03-3	0.010

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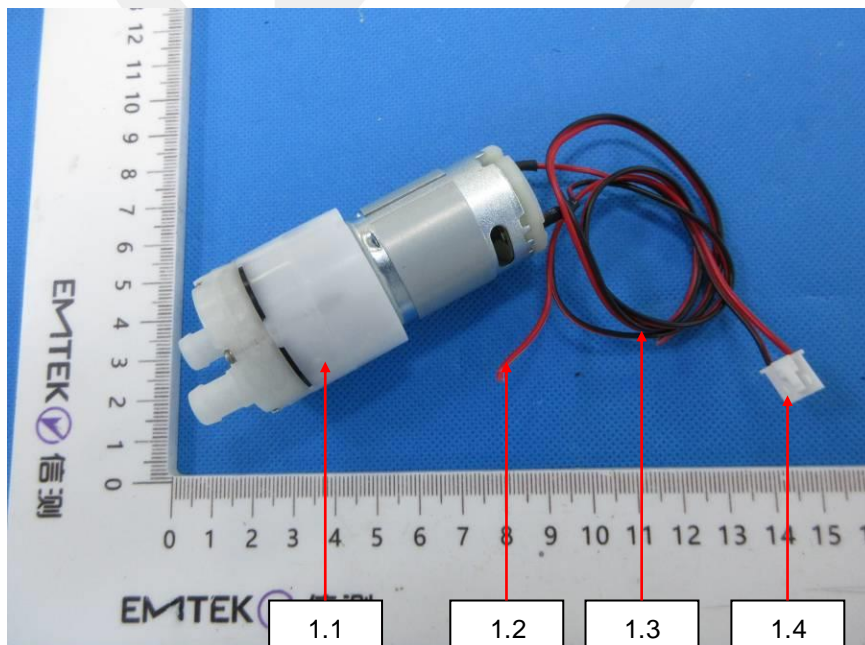
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Sample Photos:
样品照片:



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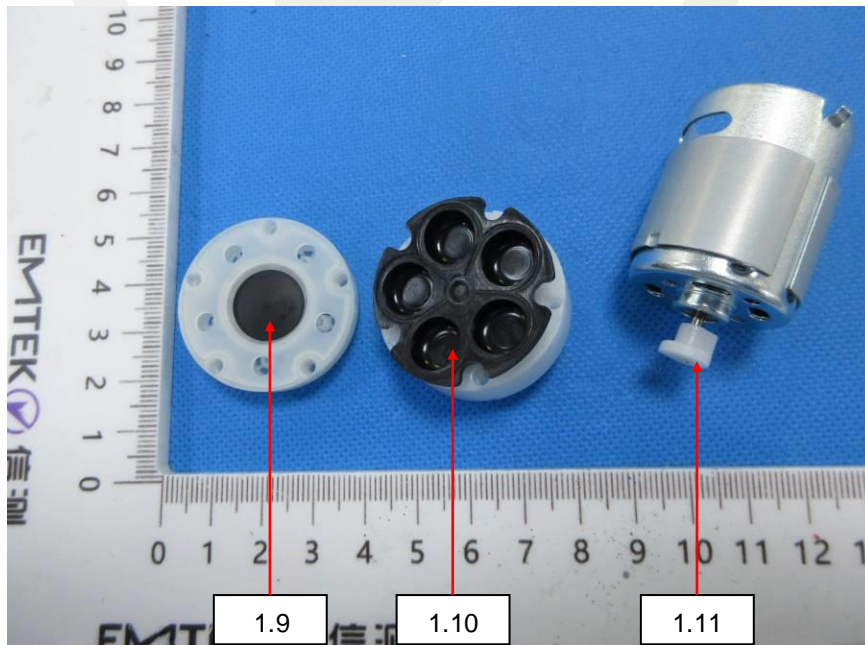
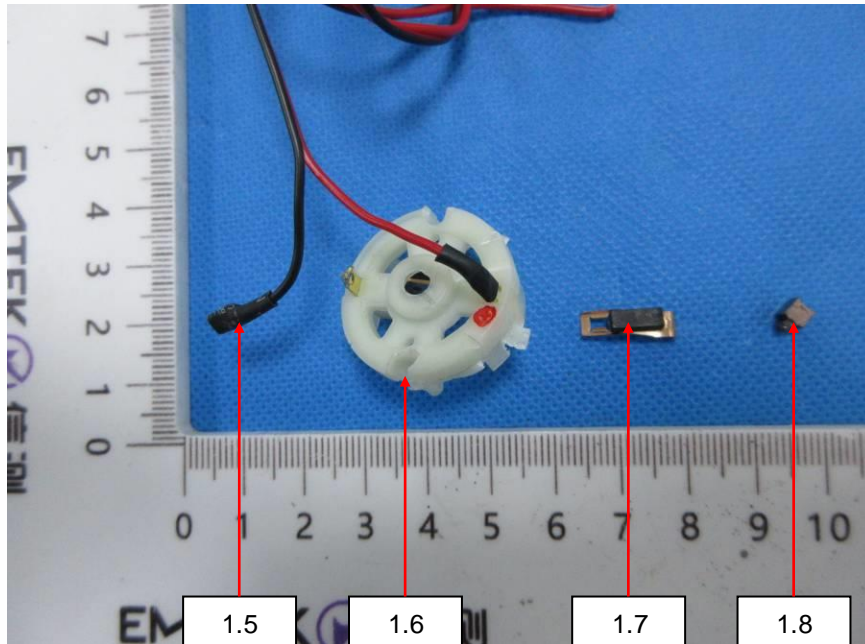


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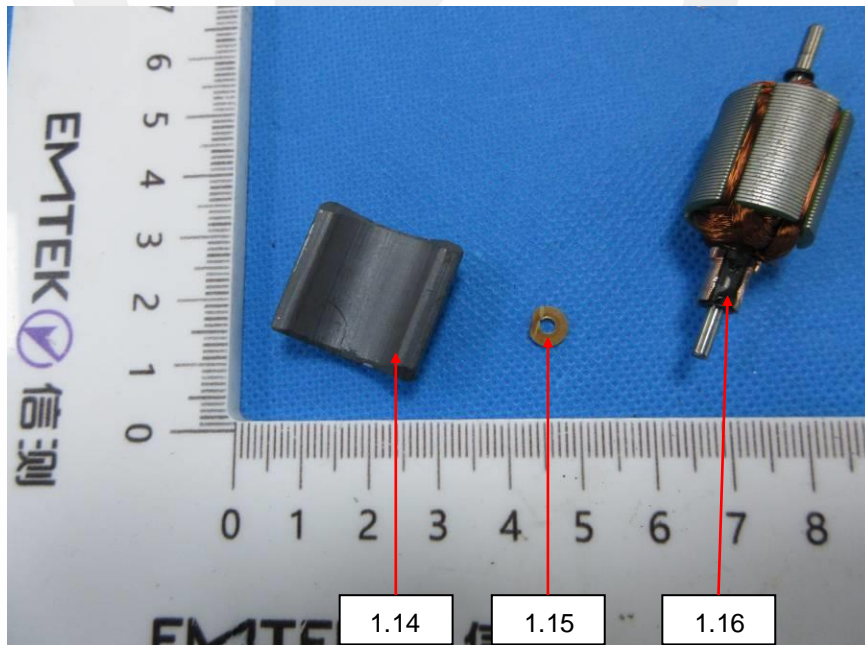
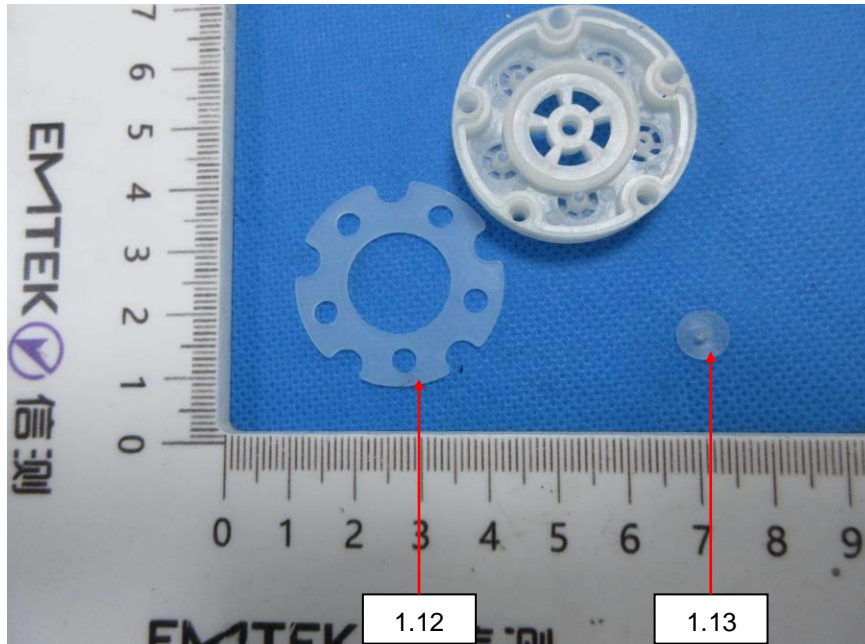


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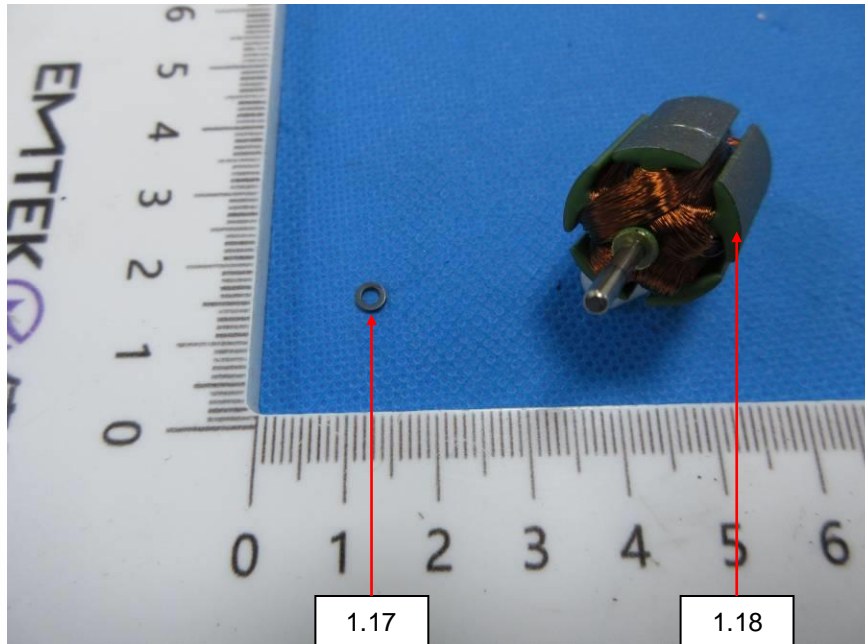


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*** End of Report ***
*** 报告结束 ***

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