

Test Report No.: SHAEC24017558419 **Date**: Aug 19, 2024 Page 1 of 13

Client Name: Suzhou Goodark Electronics Co.,Ltd

Client Address: No.200 Huajin Road, TongAn Economic Development Zone, Suzhou, P.R. China

Sample Name: TOLL Halogen-Free product

Model No.: TOLL

Main Substance: Cu,Sn,Epoxy Resin

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

SGS Job No.: SUP24-002437 Sample Receiving Date: Aug 02, 2024

Testing Period: Aug 02, 2024 ~ Aug 16, 2024

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

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

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

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Halogen	See Results
Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives	See Results

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Approved Signatory





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e sas china@sas.com



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A16	SHA24-0175584-0001.C016	Black body with silvery pin

Remarks:

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

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017,

IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-

Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A16
Lead (Pb)	1000	mg/kg	2	25766▲
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	•	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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Test Item(s)	Limit	Unit(s)	MDL	A16
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

<u>Halogen</u>

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A16
Fluorine(F)	mg/kg	20	ND
Chlorine(CI)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives

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

Test Item(s)	CAS No.	Unit(s)	MDL	A16
PFOS, its salts and related compounds				
Perfluorooctane sulfonic acid (PFOS), its salts^	1763-23-1	mg/kg	0.010	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	mg/kg	0.010	ND
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	mg/kg	0.010	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	mg/kg	0.010	ND
2-(N-methylperfluoro-1- octanesulfonamido)-ethanol (N- MeFOSE)	24448-09-7	mg/kg	0.010	ND
Perfluorooctane Sulfonamide (PFOSA), its salts^	754-91-6	mg/kg	0.010	ND
Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^	2806-24-8	mg/kg	0.010	ND



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Test Item(s)	CAS No.	Unit(s)	MDL	A16
N-Methylperfluoro-1- octanesulfonamidoacetic Acid (N- MeFOSAA), its salts^	2355-31-9	mg/kg	0.010	ND
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^	2991-50-6	mg/kg	0.010	ND
Sum of Perfluorooctane sulfonic acid (PFOS) and its derivatives	-	mg/kg	-	ND
PFOA, its salts				
Perfluorooctanoic acid (PFOA), its salts^	335-67-1	mg/kg	0.010	ND

Notes:

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

Substance Name	CAS No.
PFOS, its salts & derivatives	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH ₄)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3
N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-N($C_{10}H_{21}$) ₂ (CH_{3}) ₂)	251099-16-8
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃)	54439-46-2
Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0
lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄))	2185049-59-4



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Perfluoroctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁ -N) 2205029-08-7 heptyldimethyl(2-(2-methylprop-2-enoyl)oxy]ethylpazanium heptadecafluoroctane1-sulfonate (PFOS-C ₁ H ₃ NO ₂) 1203998-97-3 1203998-97-3 Perfluoroctane sulfonic anhydride (PFOSAN) 423-92-7 Perfluoroctane sulfonic anhydride (PFOSAN) 423-92-7 PoSAA, its salts Perfluoroctyl)sulfonylglycine (FOSAA(anion)) 909405-47-6 N-((Perfluorooctyl)sulfonylglycine potassium salt (1:1) (FOSAA-K) 75260-69-4 N-((Perfluorooctyl)sulfonylglycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts N-Methylperfluoroctanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluoroctanesulfonamidoacetic Acid (N-MeFOSAA) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) 70281-93-5 N-Ethylperfluoroctanesulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-((heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2991-50-6 Glycine, N-ethyl-N-((heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2991-50-6 Glycine, N-ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Ma) 2991-50-6 Representation of the salt of	1101 011/12021011000110 2410 . 7,449 10	3, 202 1
heptadecafluorooctane-1-sulfonate (PFOS-C ₁₆ H ₃₀ NO ₂) 1203989-97-3 Perfluorooctane sulfonic anhydride (PFOSAN) 423-92-7 FOSAA, its salts 2806-24-8 N-[(Perfluorooctane sulfonamidoacetic Acid (FOSAA) 2806-24-8 N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) 75260-69-4 N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MetPOSAA, its salts N-MetPOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluoro-1-octanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) 70281-93-5 N-EtPOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctanesulfonamido)acetate (N-Et-FOSAA-C) 2991-50-6 Glycine, N-ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA-C) 2991-50-6 Perfluorooctanesulfonamide (PFOSA) 764-91-6 Perfluorooctanesulfon	Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
Perfluoroctane sulfonamidoacetic Acid (FOSAA) Perfluoroctane sulfonamidoacetic Acid (FOSAA) N-[(Perfluoroctyl)sulfonyl]glycinate (FOSAA(anion)) 909405-47-6 N-[(Perfluoroctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) 75260-69-4 N-[(Perfluoroctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2-(N-Methylperfluoro-1-octanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, its salts N-Ethylperfluoroctane sulfonamidoacetic Acid (N-EtFOSAA) Pethylperfluoroctane sulfonamidoacetic Acid (N-EtFOSAA) Pethylperfluoroctane sulfonamidoacetic Acid (N-EtFOSAA) Pethylperfluoroctane sulfonamidoacetic Acid (N-EtFOSAA) Pethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA-K) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Perfluoroctanesulfonamide (PEOSA) Perfluoroctanesulfonamide (N-Et-FOSAA-Na) Perfluoroctanesulfonamide (PFOSA) Perfluoroctanesulfonamide (PFOSA) Perfluoroctanesulfonamide Potassium salt (1:1) (PFOSA-K) Perfluoroctanesulfonamide Potassium salt (1:1) (PFOSA-K) Perfluoroctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) P		1203998-97-3
Perfluorooctane sulfonamidoacetic Acid (FOSAA) 2806-24-8 N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) 909405-47-6 N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) 75260-69-4 N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts N-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) 70281-93-5 N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-50-6 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Armonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 PFOSA, its salts 2991-50-8 Perfluorooctanesulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-82-4<	Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) 909405-47-6 N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) 75260-69-4 N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts 115716-87-5 N-Methylperfluoroo-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) 70281-93-5 N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 N-Hylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts 2991-52-8 Perfluorooctanesulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide (PFOSA) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-72-2 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoate (PFOA-Na) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Ra) 335-93-3 Perfluorooctanoot (PFOA-Ra) 335-93-3 Perfluorooctanoot (PFOA-Pa) 335-66-0 Ammonium pentadecafluorooctanoate (PFOA-Fo) 335-66-0 Ammonium pentadecafluorooctanoate (PFOA-Fo) 335-66-0 Ammonium pentadecafluorooctanoate (PFOA-Co) 35965-01-6 Chall perfluorooctanoate (PFOA-Co) 35965-01-6 Chall perfluorooctanoate (PFOA-Co) 35965-01-6 Chall perfluorooctanoate (PFOA-Co) 35965-01-6 Chall perfluorooctanoate (PFOA-Co) 35965-01-6	FOSAA, its salts	
N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2:(N-Methylperfluoroctanesulfonamido)acetate (N-Me-FOSAA(anion)) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, K) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, K) N-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) R-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) R-Ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA) R-Ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA-K) 2991-50-6 Regionamical (N-Ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA-K) 2991-51-7 2(N-Ethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh-A) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh-A) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Perfluorooctanoic (PFOA-Na) Perfluorooctanoic (PFOA-Na) Perfluorooctanoic (PFOA-Na) Perfluorooctanoic (PFOA-Ro) Silver perfluorooctanoate (PFOA-Ro) Ammonium pentadecafluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Co)	Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) N-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2:(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) N-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Rethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Rethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2991-50-6 Rethyl-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA) 2991-51-7 2991-51-7 2991-51-7 2991-52-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Rethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Rethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Rethylperfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Rethylperfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Perfluorooctanesulfonamide (PFOA-Po) 335-95-00-8 Silver perfluorooctanoate (PFOA-F) Ammonium pentadecafluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Co) 35965-01-6	N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6
N-MeFOSAA, its salts 2355-31-9 N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) 70281-93-5 N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-((heptadecafluorooctyl)sulfonyl)-, potassium salt (N-Et-FOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 N-Ethyloerfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts 2991-52-8 Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-78-8 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 PFOA, its salts & derivatives 76752-82-4 Perfluorooctanoi	N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) 70281-93-5 N-EtrOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctane Sulfonamide (PFOSA) 76752-79-9 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-95-5 Potassium perfluorooctanoate (PFOA-Na)	N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) N-EtrOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 2-(N-ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 3-2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3-2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3-2-2-8 Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3-2-2-8 Perfluorooctane Sulfonamide (PFOSA) 7-54-91-6 Perfluorooctanesulfonamide (PFOSA) 7-54-91-6 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) 7-6752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 7-6752-78-8 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 7-6752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 7-6752-72-2 Perfluorooctanoic acid (PFOA) 3-35-67-1 Sodium perfluorooctanoate (PFOA-Na) 3-35-95-5 Potassium perfluorooctanoate (PFOA-Na) 3-35-95-5 Potassium perfluorooctanoate (PFOA-Ray) 3-35-66-0 Ammonium pentadecafluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Co) 3-59-65-01-6	N-MeFOSAA, its salts	
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) N-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanoctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co)	N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9
N-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh4) PFOSA-Ce-H15N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Solium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Co) 35965-01-6	2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-EtFOSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 309405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) 76752-78-8 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 (PFOSA-C ₈ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Co) 35965-01-6	(, , , , , , , , , , , , , , , , , , ,	70281-93-5
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Sodium perfluorooctanoate (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	N-EtFOSAA, its salts	
FÓSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NB) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-NB) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-NB) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) PFOSA-CeH16N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-NB) Sodium perfluorooctanoate (PFOA-NB) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	, , ,	2991-50-6
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 871-50-9 PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide, compound with triethylamine (1:1) PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Co) 35965-01-6		2991-51-7
NH4) Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Solium perfluorooctanoate (PFOA-Na) Perfluorooctanoyl fluoride (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 3825-20-16	2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8
PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Reptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C6H15N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6		2991-52-8
Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Nb) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-K) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	PFOSA, its salts	
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) 76752-78-8 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-K) 2395-00-8 Silver perfluorooctanote (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) 335-66-0 Ammonium pentadecafluorooctanoate (APFO) 3825-26-1 Lithium perfluorooctanoate (PFOA-Li) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctane Sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 (PFOSA-C ₆ H ₁₅ N) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-K) 2395-00-8 Silver perfluorooctanote (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) 335-66-0 Ammonium pentadecafluorooctanoate (APFO) 3825-26-1 Lithium perfluorooctanoate (PFOA-Li) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄) Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-K) 2395-00-8 Silver perfluorooctanote (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) 335-66-0 Ammonium pentadecafluorooctanoate (APFO) 3825-26-1 Lithium perfluorooctanoate (PFOA-Li) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
(PFOSA-C ₆ H ₁₅ N)PFOA, its salts & derivativesPerfluorooctanoic acid (PFOA)335-67-1Sodium perfluorooctanoate (PFOA-Na)335-95-5Potassium perfluorooctanoate (PFOA-K)2395-00-8Silver perfluorooctanoate (PFOA-Ag)335-93-3Perfluorooctanoyl fluoride (PFOA-F)335-66-0Ammonium pentadecafluorooctanoate (APFO)3825-26-1Lithium perfluorooctanoate (PFOA-Li)17125-58-5Cobalt perfluorooctanoate (PFOA-Co)35965-01-6	Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2
Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 335-67-1 335-95-5 335-93-3 335-66-0 3825-26-1 17125-58-5 Cobalt perfluorooctanoate (PFOA-Li) 35965-01-6		76752-82-4
Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 335-95-5 335-66-0 3825-26-1 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co)	PFOA, its salts & derivatives	
Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 2395-00-8 335-93-3 335-66-0 3825-26-1 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctanoic acid (PFOA)	335-67-1
Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 335-93-3 335-93-3 335-93-3 335-66-0 3825-26-1 17125-58-5 35965-01-6	Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) Lithium perfluorooctanoate (PFOA-Li) Cobalt perfluorooctanoate (PFOA-Co) 335-66-0 3825-26-1 17125-58-5 35965-01-6	Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Ammonium pentadecafluorooctanoate (APFO) 3825-26-1 Lithium perfluorooctanoate (PFOA-Li) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Silver perfluorooctanote (PFOA-Ag)	335-93-3
Lithium perfluorooctanoate (PFOA-Li) 17125-58-5 Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Cobalt perfluorooctanoate (PFOA-Co) 35965-01-6	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cesium perfluorooctanoate (PFOA-Cs) 17125-60-9	Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
	Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9



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-	
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
Pentadecafluorooctanoic acidpiperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoatewater (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
Pentadecafluorooctanoic acidpyridine (1/1) (PFOA-C₅H₅N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6

Remark:

▲ According to the declaration from the client, Lead (Pb) is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(a)|: Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

More information about exemption can be found via the following link:

https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf 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.



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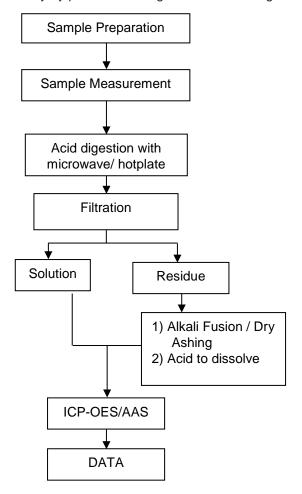
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Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.





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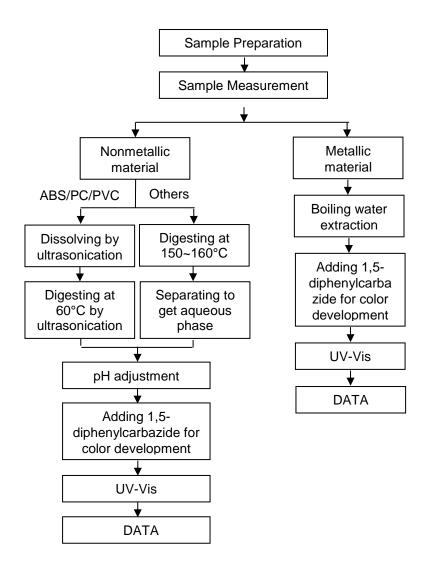


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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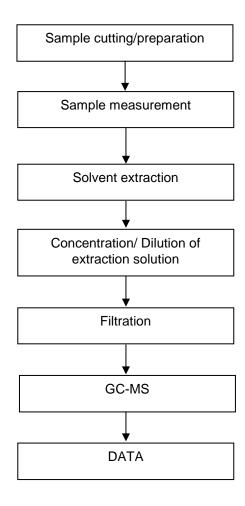
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PBB/PBDE Testing Flow Chart





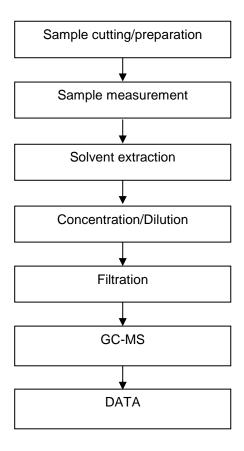
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Phthalates Testing Flow Chart





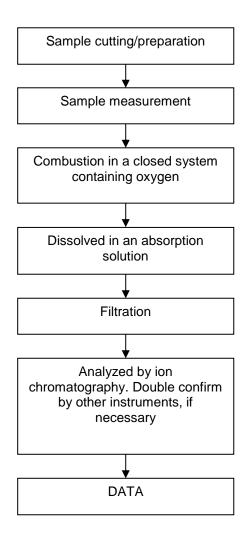
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Halogen Testing Flow Chart





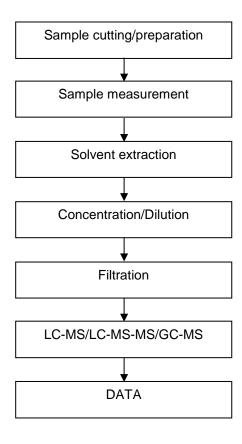
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PFASs/ PFOS/PFOA Testing Flow Chart





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