

**Test Report No.**: SHAEC24027119311 **Date**: Dec 03, 2024 Page 1 of 16

Client Name: HERAEUS ZHAOYUAN (CHANGSHU) ELECTRONIC MATERIAL CO.,LTD

Client Address: NO. 180 HUANGPUJIANG ROAD, SOUTHEAST ECONOMIC DEVELOPMENT ZONE,

CHANGSHU CITY, JIANGSU PROVINCE, P.R. CHINA, 21550

Sample Name: Solder Wire Model No.: PbSn10

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

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SGS Job No.: TIC1020241126092411CHC6

Sample Receiving Date: Nov 27, 2024

Testing Period: Nov 27, 2024 ~ Dec 03, 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	See Results
Element(s)	See Results
Halogen	See Results
Hexabromocyclododecane (HBCDD)	See Results
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
Perfluorooctane sulfonic acid (PFOS) and its derivatives and Perfluorooctanoic acid (PFOA) and its salts	See Results

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

Tom

Ni

Tom Ni

**Approved Signatory** 





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### Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A6	SHA24-0271193-0001.C006	Silvery metal wire

### 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

**Test Method:** With reference to IEC 62321-5:2013, analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit(s)	MDL	A6
Lead (Pb)	1000	mg/kg	2	923829▲

### 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) Lead (Pb):The reported result is for reference only.(4) ▲ 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

### Element(s)

Test Method: With reference to US EPA 3050B:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	MDL	A6
Antimony(Sb)	mg/kg	10	ND
Antimony Trioxide(Sb <sub>2</sub> O <sub>3</sub> ) ◆	mg/kg	12	ND
Beryllium(Be)	mg/kg	5	ND
Arsenic(As)	mg/kg	10	ND

### Notes:

Antimony(Sb): The reported result is for reference only.

♦Sb<sub>2</sub>O<sub>3</sub>: Calculate from Antimony content.

## **Halogen**

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

Test Item(s)	Unit(s)	MDL	A6
Fluorine(F)	mg/kg	20	ND



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Test Item(s)	Unit(s)	MDL	A6
Chlorine(CI)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

### Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A6
Hexabromocyclododecane (HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	ND

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 Titration method, IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A6
Lead(Pb)	0.1	%	-	88.2▲
Mercury(Hg)	1000	mg/kg	2	ND
Cadmium(Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI)) ▼	•	μg/cm²	0.10	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	ı	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	1	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	1	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	1	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	ı	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	1	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	1	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	1	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	ı	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	•	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether		ma/ka	25	ND
(MonoBDE)	1	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	•	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	•	mg/kg	25	ND
Tetrabrominated diphenyl ether		ma/ka	25	ND
(TetraBDE)	•	mg/kg	20	טאו
Pentabrominated diphenyl ether	_	mg/kg	25	ND
(PentaBDE)	_	ilig/kg	20	NU



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Test Item(s)	Limit	Unit(s)	MDL	A6
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	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) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm<sup>2</sup>. The sample coating is considered to contain Cr(VI).
  - The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm<sup>2</sup>). The coating is considered a non-Cr(VI) based coating.
  - c. The result between 0.10 μg/cm² and 0.13 μg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.
- (4) ▲ 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

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

**Test Method:** With reference to Modified EN 17681-1:2022, analysis was performed by HPLC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A6
PFOS, its salts and related compounds				
Perfluorooctane sulfonic acid (PFOS), its salts^	1763-23-1	mg/kg	10	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	mg/kg	10	ND
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	mg/kg	10	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	mg/kg	10	ND
2-(N-methylperfluoro-1- octanesulfonamido)-ethanol (N- MeFOSE)	24448-09-7	mg/kg	10	ND



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Test Item(s)	CAS No.	Unit(s)	MDL	A6
Perfluorooctane Sulfonamide (PFOSA), its salts^	754-91-6	mg/kg	10	ND
Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^	2806-24-8	mg/kg	10	ND
N-Methylperfluoro-1- octanesulfonamidoacetic Acid (N- MeFOSAA), its salts^	2355-31-9	mg/kg	10	ND
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^	2991-50-6	mg/kg	10	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	10	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 <sub>4</sub> )	29081-56-9		
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH <sub>2</sub> (C <sub>2</sub> H <sub>4</sub> OH) <sub>2</sub> )	70225-14-8		
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	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( $C_{10}H_{21}$ ) <sub>2</sub> ( $CH_{3}$ ) <sub>2</sub> )	251099-16-8		
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	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 <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	54439-46-2		
Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH <sub>3</sub> ) <sub>4</sub> )	56773-44-5		
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N( $C_3H_7$ ) <sub>3</sub> ( $C_5H_{11}$ ))	56773-56-9		
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N( $C_4H_9$ ) <sub>3</sub> (CH <sub>3</sub> ))	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		



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N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate   773895-92-4	No.: 01/1/2024027110011 Date: Dee 0	5, 2024
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (CaHe)a))   2185049-59-4	1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
Perfluoroctanesulfonic acid diethylamine salt (PFOS-C₄H₁₁N)         2205029-08-7           heptyldimethyl(2-[(2-methylprop-2-encyl)oxylethylpazanium         1203998-97-3           heptyldimethyl(2-[(2-methylprop-2-encyl)oxylethylpazanium         1203998-97-3           Perfluorocotane sulfonic anhydride (PFOS-C₁-H₃₀NO₂)         423-92-7           FOSAA, its salts         Perfluorocotane sulfonamidoacetic Acid (FOSAA)         2806-24-8           N-I(Perfluoroctyl)sulfonyl]glycinate (FOSAA(anion))         909405-47-6           N-I(Perfluoroctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-Na)         115716-87-5           N-MeFOSAA, its salts         115716-87-5           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, its salts         70281-93-5           N-EtrOSAA, its salts         N-EtrHOSAA, its salts           N-Etrlylperfluorooctane sulfonamidoacetic Acid (N-Et-FOSAA)         2991-50-6           Glycine, N-ethyl-N-I(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)         2991-50-6           2(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)         3871-50-9           PFOSA, its salts         764-91-6           Perfluorooctanesulfonamide (PFOSA)         754-91-6	N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> )  423-92-7  FOSAA, its salts  Perfluorooctane sulfonamidoacetic Acid (FOSAA)  Perfluorooctane sulfonamidoacetic Acid (FOSAA)  N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))  909405-47-6  N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)  N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)  N-((Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)  N-((Perfluorooctanesulfonamidoacetic Acid (N-Me-FOSAA)  2355-31-9  2-((N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))  909405-48-7  Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)  N-Ethylperfluorooctane sulfonamidoacetic Acid (N-Et-FOSAA)  N-Ethylperfluorooctane sulfonamidoacetic Acid (N-Et-FOSAA)  Sodium 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  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh4)  PFOSA-Ce-H-sN)  PFOA, its salts & derivatives  Perfluorooctanoic (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Na)  335-95-00-8  Silver perfluorooctanoic (PFOA-Ag)  335-93-3  Perfluorooctanoid Prooctanoide (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)	Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> ))	2185049-59-4
heptadecafluorooctane-1-sulfonate (PFOS-C <sub>15</sub> H <sub>50</sub> NO <sub>2</sub> )  Perfluorooctane sulfonic anhydride (PFOSAN)  FOSAA, its salts  Perfluorooctane sulfonamidoacetic Acid (FOSAA)  N-{(Perfluoroocty)}sulfonyljglycine potassium salt (1:1) (FOSAA-K)  N-{(Perfluoroocty)}sulfonyljglycine potassium salt (1:1) (FOSAA-K)  N-{(Perfluoroocty)}sulfonyljglycine sodium salt (1:1) (FOSAA-Na)  115716-87-5  N-MeFOSAA, its salts  N-Methylperfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)  2355-31-9  2-{(N-Methylperfluorooctanesulfonamidojacetate (N-Me-FOSAA(anion))  Potassium N-{(heptadecafluoroocty)}sulphonyl)-N-methylglycinate (N-Me-FOSAA-TOSAAA-TOSAAA-TOSAAAA-TOSAAAA-TOSAAA-TOSAAAA-TOSAAAA-TOSAAA-TOSAAA-TOSAAA-TOSAAAA-TOSAAAA-TOSAAAA-TOSAAA-TOSAAAA-TOSAAAAAA-TOSAAAA-TOSAAAAAAAAAA	Perfluorooctanesulfonic acid diethylamine salt (PFOS-C <sub>4</sub> H <sub>11</sub> N)	2205029-08-7
Perfluoroctane sulfonamidoacetic Acid (FOSAA)  2806-24-8 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-MerDSAA, its salts  N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)  2355-31-9 2-(N-Methylperfluoroctanesulfonamido)acetate (N-Me-FOSAA(anion))  909405-48-7 Potassium N-((heptadecafluoroctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) N-Ethylperfluoroctanesulfonamidoacetic Acid (N-EtFOSAA)  909405-48-7 Potassium N-((heptadecafluoroctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) N-Ethylperfluoroctane sulfonamidoacetic Acid (N-EtFOSAA)  9091-50-6 Glycine, N-ethyl-N-[(heptadecafluoroctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)  2-(N-Ethyl-perfluoroctanesulfonamido)acetate (N-Et-FOSAA(anion))  909405-49-8 Ammonium 2-(N-ethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA-Na)  Potassium 2-(N-ethylperfluoroctanesulfonamide (PFOSA)  Potassium salt (1:1) (PFOSA-Na)  Potassium salt (1:1) (PFOSA-Na)  Potassium salt (1:1) (PFOSA-Nh-Na)  Potassium perfluoroctanesulfonamide (PFOA-Na)  Potassium perfluoroctaneate (PFOA-Na)  Potassium perfluoroctaneate (PFOA-Na)  Potassium perfluoroctaneate (PFOA-Na)  Potassium perfluoroctaneate (PFOA-PoA)  Sodium perfluoroctaneate (PFOA-PoA)  Ammonium pentadecafluoroctanoate (APFO)  Ammonium pentadecafluoroctanoate (APFO)  335-66-0  Ammonium pentadecafluoroctanoate (APFO)	heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> )	1203998-97-3
Perfluoroctane sulfonamidoacetic Acid (FOSAA)   2806-24-8     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   2355-31-9     2-(N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)   2355-31-9     2-(N-Methylperfluoroctanesulfonamido)acetate (N-Me-FOSAA(anion))   909405-48-7     Potassium N-((heptadecafluoroctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)   70281-93-5     N-EtFOSAA-K)   70281-93-5     N-EtFOSAA, its salts   2991-50-6     Glycine, N-ethyl-N-[(heptadecafluoroctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)   2991-51-7     2-(N-Ethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA(anion))   909405-49-8     Ammonium 2-(N-ethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA-Na)   2991-52-8     Sodium 2-(N-ethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA-Na)   2991-52-8     Sodium 2-(N-ethylperfluoroctanesulfonamido)acetate (N-Et-FOSAA-Na)   76752-79-9     Perfluoroctanesulfonamide (PFOSA)   754-91-6     Perfluoroctanesulfonamide (PFOSA)   76752-79-9     Perfluoroctanesulfonamide Potassium salt (1:1) (PFOSA-Na)   76752-79-8     Perfluoroctanesulfonamide Ammonium salt (1:1) (PFOSA-Na)   76752-70-0     Perfluoroctanesulfonamide Ammonium salt (1:1) (PFOSA-Na)   76752-72-2     Heptadecafluoroctanea (PFOA-Na)   335-67-1     Sodium perfluoroctanoate (PFOA-Na)   335-95-5     Potassium perfluoroctanoate (PFOA-Na)   335-93-3     Perfluoroctanout (PFOA-F)   335-66-0     Ammonium pentadecafluoroctanoate (APFO)   3825-26-1	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 N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluoroctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) N-EtFOSAA-K) N-EtFOSAA, its salts N-Ethylperfluoroctane 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) 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 Potassium salt (1:1) (PFOSA-Na) Perfluo	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) 2355-31-9 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 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 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-79-9 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-82-4 PepFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Na) 335-93-3 Perfluorooctanolyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
N-I(Perfluorooctyl)sulfonyl[glycine sodium salt (1:1) (FOSAA-Na)  N-MeFOSAA, its salts  N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)  2355-31-9  2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))  Potassium N-I((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, its salts  N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)  R-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)  R-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)  R-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))  R-Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido (PFOSA)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido (PFOSA)  R-Ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  R-Ethylperfluorooctanesulfonamido (PFOSA)  R-Ethylperfluorooctanesulfonamido (PFOSA-Na)  R-Ethylperfluorooctanesulfonamide (PFOSA-Na)  R-Ethylperfluorooctanesulfonamide (PFOSA-Na)  R-Ethylperfluorooctanesulfonamide (PFOA-Na)  R-Ethylperfluorooctanoate (PFOA-Na)  R-Ethylperfluorooctanoate (PFOA-Na)  R-Ethylperfluorooctanootanoate (PFOA-Na)  R-Ethylperfluorooctanootanoate (PFOA-Na)  R-Ethylperfluorooctanootanoate (PFOA-Na)  R-Ethylperfluorooctanoate (PFOA-Ra)  R-Ethylperfluorooctanoate	N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6
N-MeFOSAA, its salts  N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)  2355-31-9  2-(N-Methylperfluorooctanesulfonamido)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)  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-NI-A)  Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NI-A)  Perfluorooctane Sulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH-A)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	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) P-ETPOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Silver perfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Silver perfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Silver perfluorooctanesulfonamido)acetate (N-Et-FOSAA-K) 2991-50-6 Silver perfluorooctanesulfonamido)acetate (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-EtFOSAA-K) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 Perfluorooctane Sulfonamide (PFOSA) Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) 76752-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoot (PFOA-Ag) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO)	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-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 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) 2991-51-7 22-(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 Sodium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 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) (PFOSA-C <sub>6</sub> H <sub>15</sub> N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO)	N-MeFOSAA, its salts	
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)  N-EtFOSAA, its salts  N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)  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)  2991-51-7  2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))  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)  Perfluorooctanesulfonamide Sodium 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-NH4)  76752-72-2  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Ag)  Parfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	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)  2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))  Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  PFOSA, its salts  Perfluorooctane Sulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nh4)  Terposa-CeHteN)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA-Na)  Perfluorooctanoic acid (PFOA-Na)  Posa-Sodium perfluorooctanoate (PFOA-Na)  Posa-Sodium perfluorooctanoate (PFOA-Ro)  Posa-Sodium perfluorooctanoa	2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7
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-Na)  Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)  PFOSA, its salts  Perfluorooctane Sulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-NH4)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoctane-1-sulphonamide, compound with triethylamine (1:1)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Ammonium pentadecafluorooctanoate (APFO)  Ammonium pentadecafluorooctanoate (APFO)	Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-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-NA)  8-FOSA, 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)  Perfluorooctanesulfonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-NA)  Sodium perfluorooctanoate (PFOA-NA)  Potassium perfluorooctanoate (PFOA-NA)  Perfluorooctanoot (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	N-EtFOSAA, its salts	
FOSAA-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-NA)  8-FOSA, its salts  Perfluorooctane Sulfonamide (PFOSA)  Perfluorooctanesulfonamide (PFOSA)  Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li)  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)  Perfluorooctanesulfonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4)  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)  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Ag)  Silver perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7
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 Potassium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-Na)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	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-K)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Perfluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH <sub>4</sub> )	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-K)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Perfluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	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-Na)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  325-26-1	PFOSA, its salts	
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)  Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  3825-26-1	Perfluorooctane Sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)  Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH <sub>4</sub> )  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanoote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  36752-72-2  76752-72-2  76752-82-4  76752-82-4  76752-82-4  76752-82-4  76752-82-4  76752-70-0  76752-82-4  76752-	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH <sub>4</sub> )  Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanoote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  76752-72-2  76752-82-4	Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)  (PFOSA-C <sub>6</sub> H <sub>15</sub> N)  PFOA, its salts & derivatives  Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  335-26-1	Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
(PFOSA-C6H15N)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)3825-26-1	Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH <sub>4</sub> )	76752-72-2
Perfluorooctanoic acid (PFOA)  Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  335-67-1  335-95-5  2395-00-8  335-93-3  335-66-0  3825-26-1	Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C <sub>6</sub> H <sub>15</sub> N)	76752-82-4
Sodium perfluorooctanoate (PFOA-Na)  Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  335-95-5  2395-00-8  335-93-3  335-66-0  3825-26-1	PFOA, its salts & derivatives	
Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  2395-00-8  335-93-3  335-66-0  3825-26-1	Perfluorooctanoic acid (PFOA)	335-67-1
Potassium perfluorooctanoate (PFOA-K)  Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  2395-00-8  335-93-3  335-66-0  3825-26-1	Sodium perfluorooctanoate (PFOA-Na)	
Silver perfluorooctanote (PFOA-Ag)  Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  335-93-3  335-93-3  335-66-0  3825-26-1	Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Perfluorooctanoyl fluoride (PFOA-F)  Ammonium pentadecafluorooctanoate (APFO)  335-66-0  3825-26-1	Silver perfluorooctanote (PFOA-Ag)	335-93-3
Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
·	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	Lithium perfluorooctanoate (PFOA-Li)	17125-58-5



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•	•
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
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 <sub>4</sub> H <sub>10</sub> 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 <sub>2</sub> O) <sub>2</sub> )	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C <sub>2</sub> H <sub>7</sub> N)	1376936-03-6
Pentadecafluorooctanoic acidpyridine (1/1) (PFOA-C₅H₅N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> )	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C <sub>11</sub> H <sub>26</sub> N)	927835-01-6

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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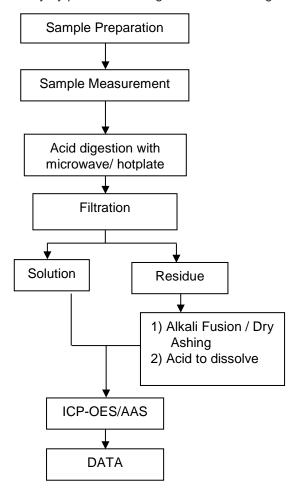
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# **Elements Testing Flow Chart**

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





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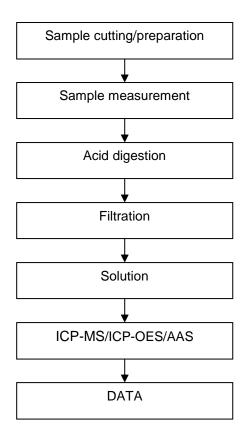


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# **Elements Testing Flow Chart**





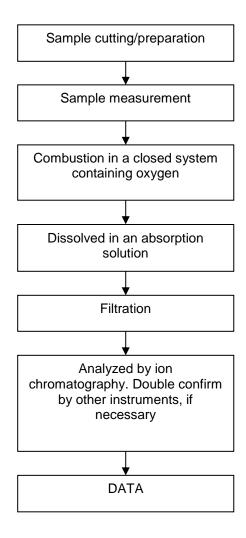
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# **Halogen Testing Flow Chart**





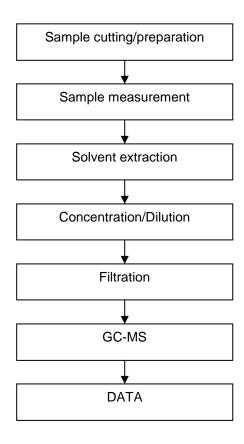
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## **HBCDD Testing Flow Chart**





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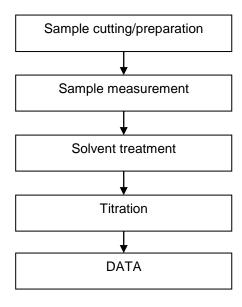


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# **Titration Testing Flow Chart**





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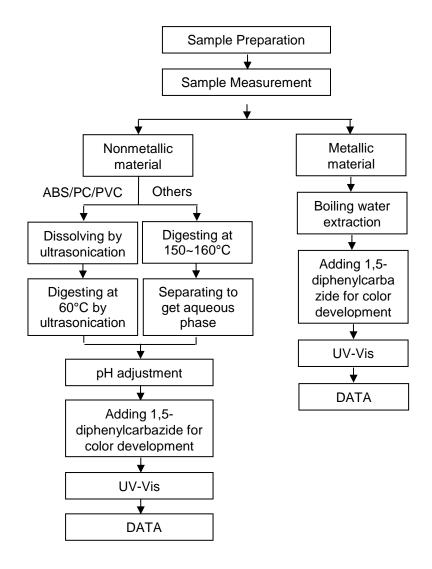


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## Hexavalent Chromium (Cr(VI)) Testing Flow Chart





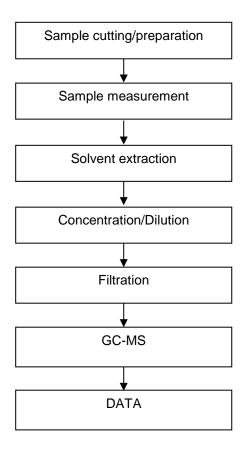
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# PBB/PBDE/Phthalates Testing Flow Chart





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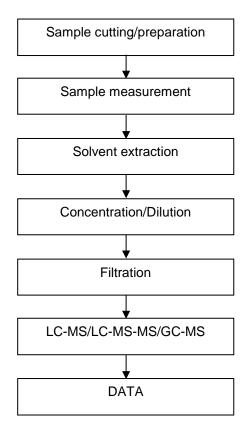
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# PFASs/ PFOS/PFOA Testing Flow Chart





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**Sample Photo:** 



SGS authenticate the photo on original report only \*\*\* End of Report \*\*\*



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