

Test Report No.: CANEC24025150715 **Date**: Nov 25, 2024 Page 1 of 21

Client Name: KINGBOARD (LIANZHOU) COPPER FOIL CO., LTD

Client Address: KINGBOARD INFORMATION SCIENCE AND TECHNOLOGY INDUSTRY

CITY, CHENGBEI DISTRICT, LIANZHOU, GUANGDONG, CHINA

Sample Name: ELECTROLYEIC COPPER FOIL

Model No.: MR

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

SGS Job No.: GZP24-036373 Sample Receiving Date: Nov 11, 2024

Testing Period: Nov 11, 2024 ~ Nov 25, 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
Tetrabromobisphenol A (TBBP-A)	See Results
Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)	See Results
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)	Pass
Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives	See Results
Halogen	See Results
Element(s)	See Results
Red Phosphorus	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Arsene Ye

Arsene Ye
Approved Signatory





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Test Requirement	Conclusion
Hexabromocyclododecane (HBCDD)	See Results
Phthalates	See Results

Test Result(s):

Test Part Description:

SN ID Sample No.		Sample No.	SGS Sample ID	Description		
	SN1	A1	CAN24-0251507-0001.C001	Copper-colored metal foil		

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 62321-7-1:2015,

IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES/AAS, UV-

Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	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	_	mg/kg	5	ND
(MonoBDE)	-	mg/kg		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



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Test Item(s)	Limit	Unit(s)	MDL	A1
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND
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) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm²). The coating is considered a non-Cr(VI) based coating.
 - c. The result between $0.10 \ \mu g/cm^2$ and $0.13 \ \mu g/cm^2$ is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Tetrabromobisphenol A (TBBP-A)

Test Method: With reference to US EPA 3550C: 2007, analysis was performed by GC-MS or LC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Tetrabromobisphenol A(TBBP-A)	79-94-7	mg/kg	5	ND

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Alkanes C ₁₄ -C ₁₇ , chloro (medium- chain	85535-85-9 and	ma/ka	50	ND
chlorinated paraffins) (MCCPs)	others	mg/kg	50	ND



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<u>Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)</u>

Test Method: SGS In-house method (SGS-CCL-TOP-149-07, With reference to US EPA Method

3550C:2007), analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Decabromodiphenyl ether (DecaBDE) ¹	1163-19-5	Prohibite d	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) ²	68937-41-7	Prohibite d	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) ^{Δ³}	732-26-3	3000	mg/kg	5	ND
Hexachlorobutadiene (HCBD)	87-68-3	Prohibite d	mg/kg	5	ND
Pentachlorothiophenol (PCTP)	133-49-3	10000	mg/kg	5	ND
Conclusion				Pass	

Notes

(1) The regulation is available at the following link.

https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under

- (2) ¹: The submitted sample is exempted if it is plastic for recycling from products or articles containing Deca-BDE.
- (3) \triangle^2 : The submitted sample is exempted from the regulated scope if it is anyone of the following:
- Hydraulic fluids for aviation or military industry;
- Lubricants and grease;
- New and replacement parts for motor and aerospace vehicles;
- Intermediate in a closed system to produce cyanoacrylate adhesive;
- Specialized engine air filters for locomotive and marine applications;
- Plastic for recycling from products or articles containing PIP (3:1);
- Finished products or articles made of plastic recycled from products or articles containing PIP (3:1).
- (4) ³: The submitted sample is out of the regulated scope if it is not oil or lubricant.

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	A1		
PFOS, its salts and related compounds	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		



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Test Item(s)	CAS No.	Unit(s)	MDL	A1
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
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_3H_7) ₃ (C_5H_{11}))	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_4H_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



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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 (CaHa)a)) 2185049-59-4 Perfluorooctanesulfonic acid diethylamine salt (PFOS-CaHa)N) 2205029-08-7 heptyldimethyl(2-((2-methylprop-2-enoyl)oxy]ethyl)azanium 1203998-97-3 heptyldimethyl(2-((2-methylprop-2-enoyl)oxy]ethyl)azanium 1203998-97-3 heptyldimethyl(2-((2-methylprop-2-enoyl)oxy]ethyl)azanium 1203998-97-3 heptyldimethyl(2-((2-methylprop-2-enoyl)oxy]ethyl)azanium 1203998-97-3 hepturooctane sulfonamidoacetic Acid (FOSAA) 423-92-7 FOSAA, its salts *** Perfluorooctyl)sulfonylglycinate (FOSAA(anion)) 903405-47-6 N-((Perfluorooctyl)sulfonylglycine sodium salt (1:1) (FOSAA-Na) 115716-87-5 N-MeFOSAA, its salts **** N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-Me-FOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Rycine, N-acthyl-N-((heptadecafluorooctyl)sulfonyl)-, potassium salt (N-Et-FOSAA-R) 2991-50-6 Rycine, N-ethyl-perfluorooctanesulfonamidoacetic Acid (N-Et-FOSAA) 2991-50-6	11. OANLOZ-020100710 Date. 110V 2	0, 2027
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄))	1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-C₄H₁1N) 2205029-08-7 heptyldimethyl(2-(2-methylprop-2-enoyl)oxylethylyazanium 1203998-97-3 heptyldimethyl(2-(2-methylprop-2-enoyl)oxylethylyazanium 1203998-97-3 Perfluorooctane sulfonic anhydride (PFOS-C₁H₂30NO₂) 423-92-7 FOSAA, its salts Perfluorooctyl sulfonylglycinate (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-Mefthylperfluoro-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, Its salts 70281-93-5 N-EtrOSAA, Its salts 2991-50-6 Slycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA, Its salts 2991-50-6 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts 754-91-6 Perfluorooctanesulfonamide (PFOSA) 754-91-6	N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
heptyldimethyl(2-[(2-methylprop-2-enoyl)oxylethyl)azanium heptadecafluorooctane-1-sulfonate (PFOS-CisH ₃₀ NO ₂) Perfluorooctane sulfonia enhydride (PFOSAN) Perfluorooctane sulfonia enhydride (PFOSAN) Perfluorooctane sulfonamidoacetic Acid (FOSAA) N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) N-MetPOSAA, 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-K) N-EtrOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2-991-50-6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA) 2-991-50-6 Glycine, N-ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2-991-52-8 Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide (PFOSA) 76752-79-9 Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Li) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) PFOA, its salts & derivatives Perfluorooctanesulfonamide (PFOA-Na) Potassium perfluorooctaneate (PFOA-Na) Sodium perfluorooctaneate (PFOA-Na) Potassium perfluorooctaneate (PFOA-Na) Potassium perfluorooctanoate (PFOA-F) Ammonium pentadecafluorooctanoate (APFO)	Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄))	2185049-59-4
Neptadecafluorooctane-1-sulfonate (PFOS-C₁sH₂₀NO₂) 1203998-97-3 Perfluorocctane sulfonic anhydride (PFOSAN) 423-92-7 FOSAA, its salts 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-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamidoacetic Acid (N-MeFOSAA) 99405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-POSAA-K) 70281-93-5 N-EtFOSAA, its salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) 2991-50-6 Glycine, N-ethyl-N-([heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-POSAA-K) 2991-50-6 Glycine, N-ethyl-N-([heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-POSAA-K) 2991-50-6 Glycine, N-ethyl-N-([heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-POSAA-K) 2991-50-6 Glycine, N-ethyl-N-([heptadecafluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-50-6 PFOSA, its salts 2991-50-8 Perfluorooctanesulfonamid	Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
Perfluorooctane sulfonamidoacetic Acid (FOSAA) Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) Poy405-47-6 N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) Poy405-47-6 N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) Poy406-69-4 N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) Poy406-48-7 N-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-MeFOSAA-K) Poy406-48-7 Potassium N-((heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K) Poy406-49-3 Poy406-49-8 Poy406-49-		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 115716-87-5 N-MeFOSAA, its salts 2355-31-9 2-(N-Methylperfluorooctanesulfonamidoacetic Acid (N-MeFOSAA) 2355-31-9 2-(N-Methylperfluorooctanesulfonamidojacetate (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) 2991-51-7 2-(N-Ethyl-perfluorooctanesulfonamidojacetate (N-Et-FOSAA) 2991-52-8 Ammonium 2-(N-ethylperfluorooctanesulfonamidojacetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts 2991-52-8 Sodium 2-(N-ethylperfluorooctanesulfonamidojacetate (N-Et-FOSAA-Na) 3871-50-9 PFOSA, its salts 76752-79-9 Perfluorooctanesulfonamide (PFOSA) 754-91-6 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-Na) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Na) 335-96-6 Ammonium pentadecafluorooctanoate (PFOA-R) 335-66-0 Ammonium pentadecafluorooctanoate (PFOA-R) 335-66-0 Ammonium pentadecafluorooctanoate (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-MeFOSAA, its salts N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-Me-FOSAA(anion)) 909405-48-7 Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA, K) 70281-93-5 N-EtFOSAA, its salts 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) 2991-52-8 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 Perfluorooctanesulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide PFOSA) 754-91-6 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-Na)	FOSAA, its salts	
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-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-EtFOSAA, its salts 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) 3871-50-9 PFOSA, its salts 2991-52-8 Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctane Sulfonamide (PFOSA) 754-91-6 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Li) 76752-79-9 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) 76752-72-2 Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-Rg) 335-93-3	Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
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-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-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Selfucine, 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) 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 Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) 335-95-5 Potassium perfluorooctanoate (PFOA-R) Silver perfluorooctanoot (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	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) N-Ethyls salts N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Reflyperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Reflyperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Reflyperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) Reflyperfluorooctanesulfonamido)acetate (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) PFOSA, its salts 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-Nha) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Nha) Perfluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-93-3 Perfluorooctanoyl fluoride (PFOA-Rg) 335-66-0 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) 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)) 909405-49-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA-Li) Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Perfluorooctanoste (PFOA-Na) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 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-Perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-52-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-50-6 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-52-8 2991-51-7 2991-50-6 3871-50-9 PFOSA, its salts Perfluorooctanesulfonamide (PFOSA-Na) 76752-79-9 Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-Na) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 (PFOSA-6H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA-Na) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-67-1 Sodium perfluorooctanoate (PFOA-Na) 335-93-3 Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	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 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-51-7 2991-52-8 Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-(anion)) Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) 2991-52-8 NH4) 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) 76752-72-2 Heptadecafluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-N4) 76752-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 76752-82-4 (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-Rg) 335-93-3 Perfluorooctanoyl 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-K) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	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)) 909405-49-8 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) Perfluorooctanesulfonamide, compound with triethylamine (1:1) (PFOSA-CeH15N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Ag) Silver perfluorooctanool (PFOA-Ag) Ammonium pentadecafluorooctanoate (APFO) 335-66-0 Ammonium pentadecafluorooctanoate (APFO)		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-Na) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonamide Sodium 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 ₆ H ₁₅ 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	N-EtFOSAA, its salts	
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-Na) PFOSA, its salts Perfluorooctane Sulfonamide (PFOSA) Perfluorooctanesulfonamide (Ithium 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 Ammonium salt (1:1) (PFOSA-NH4) PFOSA-C ₀ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-Na) Silver perfluorooctanoot (PFOA-Ag) 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) 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-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Tof52-70-0 Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Tof52-72-2 Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₈ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanoot (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1		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 Potassium salt (1:1) (PFOSA-Na) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Terfs2-70-0 Perfluorooctanesulfonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) PFOA, its salts & derivatives Perfluorooctanoic acid (PFOA) Sodium perfluorooctanoate (PFOA-Na) Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	, , , , , , , , , , , , , , , , , , , ,	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-K) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) PFOSA-C ₆ H ₁₅ 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		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) Terfosa-ro-0 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 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) Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4) Terfluorooctane-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 perfluorooctanoote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	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) Terfluorooctane-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 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-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 perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 36752-72-2 76752-72-2 76752-82-4	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
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 perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 76752-72-2 76752-72-2 76752-82-4 76752-82-	Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) 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-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 perfluorooctanote (PFOA-Ag)335-93-3Perfluorooctanoyl fluoride (PFOA-F)335-66-0Ammonium pentadecafluorooctanoate (APFO)3825-26-1	Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2
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) 335-66-0 3825-26-1		76752-82-4
Sodium perfluorooctanoate (PFOA-Na) Potassium perfluorooctanoate (PFOA-K) Silver perfluorooctanote (PFOA-Ag) Perfluorooctanoyl fluoride (PFOA-F) Ammonium pentadecafluorooctanoate (APFO) 335-95-5 335-90-8 335-93-3 335-93-3 335-66-0 3825-26-1	·	
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	Perfluorooctanoic acid (PFOA)	335-67-1
Silver perfluorooctanote (PFOA-Ag)335-93-3Perfluorooctanoyl fluoride (PFOA-F)335-66-0Ammonium pentadecafluorooctanoate (APFO)3825-26-1	Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Silver perfluorooctanote (PFOA-Ag)335-93-3Perfluorooctanoyl fluoride (PFOA-F)335-66-0Ammonium pentadecafluorooctanoate (APFO)3825-26-1	Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Ammonium pentadecafluorooctanoate (APFO) 3825-26-1	Silver perfluorooctanote (PFOA-Ag)	335-93-3
	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	· · · · · · · · · · · · · · · · · · ·	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 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

Halogen

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

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(CI)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

Element(s)

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

Test Item(s)	Unit(s)	MDL	A1
Arsenic(As)	mg/kg	10	ND
Beryllium(Be)	mg/kg	5	ND
Antimony(Sb)	mg/kg	10	ND

Red Phosphorus

Test Method: SGS In-house method (SGS-CCL-TOP-215-01), analysis was performed by PY-GC/MS/ICP-OES / GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Red Phosphorus	7723-14-0	mg/kg	500	ND



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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	A1
	134237-50-6			
Hexabromocyclododecane (HBCDD)	/134237-51-7			
and all major diastereoisomers identified	/134237-52-8	mg/kg	20	ND
(α-HBCDD, β-HBCDD, γ-HBCDD)	/25637-99-4			
	/3194-55-6			

Phthalates

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dibutyl Phthalate(DBP)	84-74-2	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	84-69-5	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP)	131-18-0	mg/kg	50	ND
Diphenyl Phthalate(DPhP)	84-62-8	mg/kg	50	ND
Dimethyl Phthalate(DMP)	131-11-3	mg/kg	50	ND
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	ND
Dipropyl Phthalate(DPrP)	131-16-8	mg/kg	50	ND
Dicyclohexyl Phthalate(DCHP)	84-61-7	mg/kg	50	ND
Dibenzyl Phthalate(DBzP)	523-31-9	mg/kg	50	ND
Dinonyl Phthalate(DNP)	84-76-4	mg/kg	50	ND
Diisooctyl Phthalate(DIOP)	27554-26-3	mg/kg	50	ND

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.



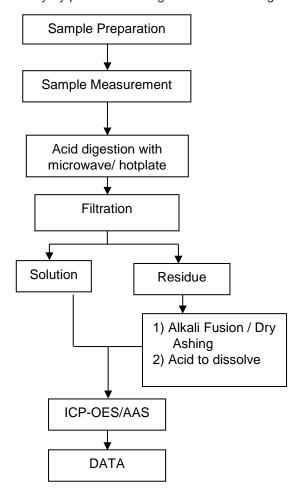
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Elements Testing Flow Chart

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





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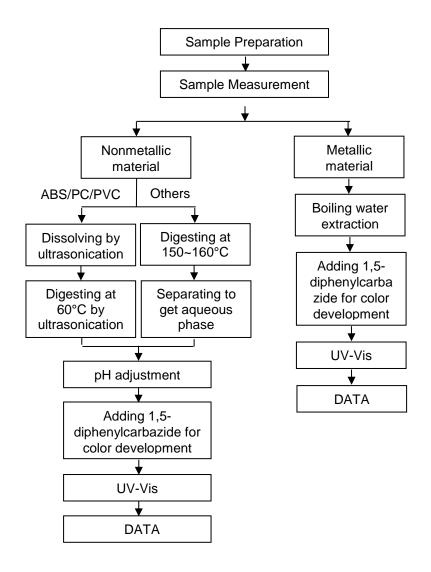


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





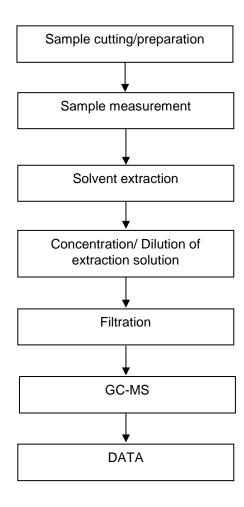
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PBB/PBDE Testing Flow Chart





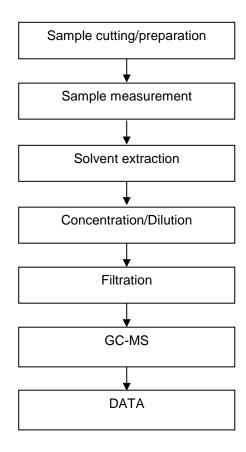
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Phthalates Testing Flow Chart





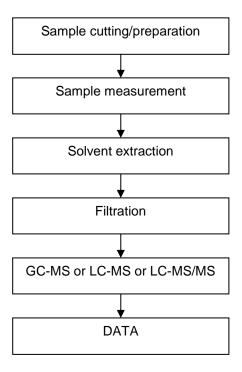
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TBBP-A Testing Flow Chart





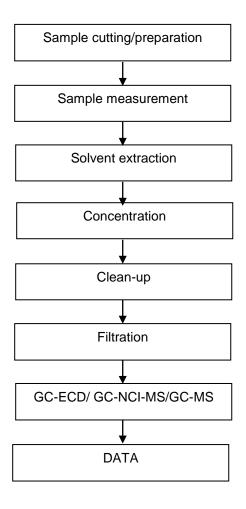
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Chlorinated Paraffin Testing Flow Chart





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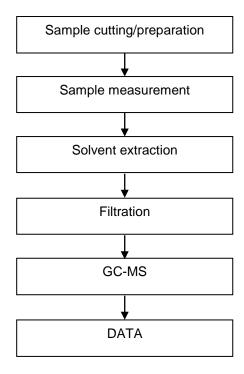
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Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart



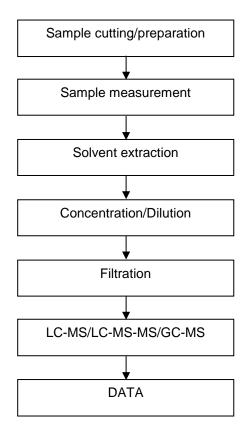


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PFASs/ PFOS/PFOA Testing Flow Chart





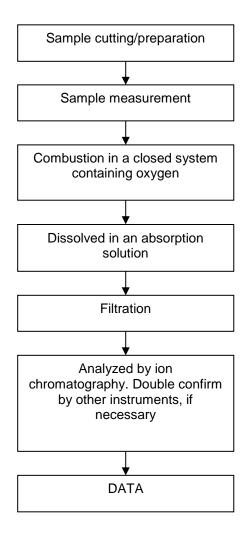
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Halogen Testing Flow Chart





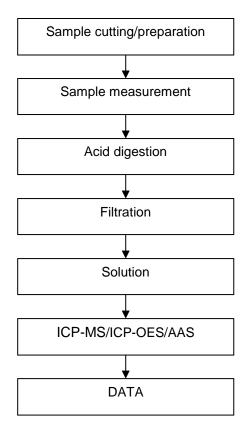
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Elements Testing Flow Chart





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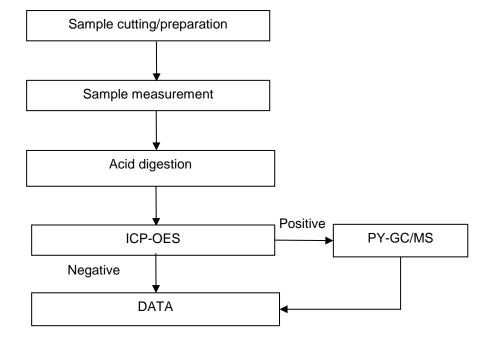
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Red phosphorus Testing Flow Chart





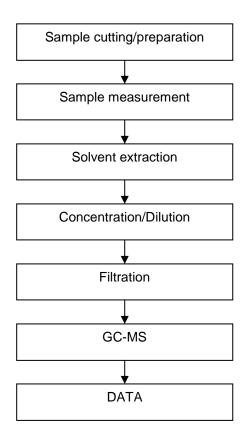
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HBCDD Testing Flow Chart





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